Firstcall PHOTO
−LUMESCA GROUP−

CATALOGUE 2024+
Guide to Analogue Photography

WELCOME

Firstcall
▮▮▮▮▮ PHOTO
– L U M E S C A   G R O U P –

CATALOGUE 2024+
Guide to Analogue Photography

Welcome to the latest edition of the Firstcall Photographic catalogue – a comprehensive guide to our extensive range of photographic products. This special 100-page issue marks an exciting new chapter in our journey, as we celebrate a significant milestone in the history of our company.

Since our establishment in 1991, Firstcall Photographic has been dedicated to providing photographers of all levels with the highest quality supplies, equipment, and expertise. Our commitment to excellence and customer satisfaction has remained unwavering, thanks in large part to the visionary leadership of our founder, Rodney Bates. After years of passionately steering Firstcall, Rodney has decided to retire. We extend our deepest gratitude to him for his invaluable contributions and wish him all the best in his well-deserved retirement.

With Rodney's retirement, we are thrilled to announce that Firstcall Photographic has been acquired by LUMESCA Group Limited, a company that shares our passion for photography and our commitment to serving the photographic community. This acquisition marks a seamless transition, with Gill Peatfield heading up the Customer Service team for Firstcall, ensuring that the core values and high standards you've come to expect from Firstcall remain intact. Our team continues to be driven by the same dedication to quality and service, now bolstered by the additional resources and expertise that come with being part of the LUMESCA family.

One of the most exciting aspects of our integration with LUMESCA Group is the enhanced product range now available to our customers. As part of LUMESCA, Firstcall customers will have access to an even broader selection of photographic products through The Flash Centre, the UK's leading supplier of flash and continuous lighting.

This catalogue is designed to be your ultimate reference, showcasing everything from film and darkroom supplies to the latest cameras and accessories. We have meticulously curated each section to provide you with detailed information, helping you make informed decisions and find exactly what you need to elevate your photography.

We are excited about the future and look forward to continuing to serve you with the same passion and dedication that has defined Firstcall Photographic for over three decades. Thank you for being a valued part of our community, and we hope this catalogue inspires your photographic journey.

The Firstcall Photographic Team

CONTENTS

ANALOGUE PHOTOGRAPHY GUIDE
AND
CATALOGUE 2024+

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Firstcall Photographic is a trading name of The Flash Centre Limited, company registration number 2441299, part of the LUMESCA Group.

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Film & Film Processing

Print & Print Processing

Photographic Equipment

Studio Equipment

INDEX

PHOTOGRAPHIC FILM

Photographic film was the "camera food" for creative photography long before the arrival of digital memory cards, and to the contemporary digital photographer, film is often misunderstood and categorised in the same way as memory cards, i.e. just a way of recording your photographic images. Photographic film gives you uniquely subjective results and unrivalled archival qualities, two things today's memory cards will never match.

All options are still open to the film photographer who wishes to make the film the real heart of their picture-making assignments.

NO RETAILER IN THE UK STOCKS MORE FILM BRANDS THAN FIRSTCALL

Kodak, Fuji, Ilford, Bergger, Adox, Foma, Ferrania, CineStill, Revolog, Lomography, Kentmere, Rollei, Washi

No other type of film today sells more than black and white 35mm film. You use 35mm film in 35mm SLR, compact and re-useable (disposable) cameras. We suggest buying 35mm film according to film speed (or ISO light sensitivity) based on whether you want a medium or high-speed option.

Different types of photography lend themselves to using film with various ISO settings. For everyday work, choose between ISO 100 and 200. For fine detail or document work, choose between ISO 25 and 50. If you're working in sports or lower light conditions, choose ISO 400 or extend the ISO range to 3200 in extreme conditions.

Black & White 35mm Film, Under ISO 400

Use these films for various shooting requirements, from lithwork, high contrast, and fine grain or just when you want a very high sharpness as your end result.

ISO 100 is also the film speed for the everyday photographer with the ability to push the film if extra speed is needed.

CineStill BwXX Black & White

CineStill BwXX 35mm is a classic panchromatic black and white negative film for outdoor and studio use. It has a variable base sensitivity of ISO 250 under daylight (5500K) and ISO 200 under tungsten lighting (3200K), and you can rate it up to ISO 1600 with the appropriate processing compensation.

Ideal for low-light situations, this film delivers rich blacks and high-contrast images while providing very high sharpness, a broad tonal range, and a fine-grain structure. It is an excellent choice for those looking for a classic film stock to fill the void left by the discontinuation of Kodak Plus-X or TXP320. This film stock has been left relatively unchanged since its release in 1959 for still and motion picture use.

BLACK & WHITE 35MM FILM, UNDER ISO 400

Code	Brand	Product	Ex VAT	Inc VAT
40904	Adox	CMS 20 II 35mm, ISO 20	8.33	9.99
40906	Adox	HR-50, 135-36, ISO 50	4.74	5.69
40908	Adox	CHS 100 II 35mm, ISO 100, 135-36	7.08	8.49
21031	CineStill	BWxx ISO 200 135/36	11.91	14.29
11131	Ferrania	P30 135-36, ISO 80	12.08	14.49
26431	Foma	Fomapan 100, Classic, 135-36, ISO 100	3.91	4.69
26434	Foma	Fomapan 200, Creative, 135-36, ISO 200	4.58	5.49
26443	Foma	Fomapan R100, 135-36, ISO 100 Slide Film	6.41	7.69
26247	Fujifilm	Neopan Acros II 135-36, ISO 100	11.66	13.99
11133	Ilford	PanF Plus 135-36, ISO 50	8.74	10.49
11135	Ilford	FP4 Plus 135-24, ISO 125	6.08	7.29
11136	Ilford	FP4 Plus 135-36, ISO 125	7.49	8.99
11172	Ilford	Delta Pro 135-24, ISO 100	8.41	10.09
11173	Ilford	Delta Pro 135-36, ISO 100	10.83	12.99
11198	Ilford	SFX 135-36, ISO 200	12.58	15.09
26315	Kentmere	PAN 100 Black and White Film, ISO 100, 135-24	4.41	5.29
26316	Kentmere	PAN 100 Black and White Film, ISO 100, 135-36	4.58	5.49
26269	Kodak	TMax Pro 135-36, ISO 100	11.33	13.59
90552	Lomography	Babylon 13 Kino , ISO 13, 135-36	7.49	8.99
90553	Lomography	Potsdam Kino, ISO 100. 135-36	7.91	9.49
90555	Lomography	Earl Grey, ISO 100. 135-36, Pack of 3	13.33	15.99
90559	Lomography	Fantome Kino ISO 8, 135-36	7.92	9.5
26265	Rollei	Ortho 25 Plus 135-36, ISO 25	7.66	9.19
26349	Rollei	Retro 80S 135-36, ISO 80	5.24	6.29
26352	Rollei	Superpan 200 135-36, ISO 200	5.24	6.29
26389	Rollei	Blackbird Creative 135-36, ISO 25/100	8.74	10.49
26273	Washi	135, 16 exposures, W, ISO 25	13.58	16.29
26290	Washi	135, 24 exposures, F, ISO 100	5.83	6.99

BEWARE OF NEW FILM INTRODUCTIONS

It is a sad fact of life that only three black and white film manufacturers are left to produce a new monochrome film – for the whole of the world; they are Ilford, Kodak and Foma. Therefore, It stands to reason that any "new" film introduced must be made by one of these existing manufacturers, and often, we question the actual "newness" or difference that such a film can offer. Admittedly, emulsion bases will change the characteristics of a film, but because we know the film market well, we'll only list a new film when we think it has something of real merit to offer to our customers.

Budget Black & White Film

Everyone loves a bargain, especially when you need to make your photography budgets work harder than ever. You need to know that you've bought as wisely as possible.

FROM £5.29

We recommend Kentmere as your base purchase. No one sells it cheaper than us, and it offers excellent results, albeit limited push-ability and can sometimes appear a little grainy. Kentmere Pan film is also available in ISO 100 or 400 and, conveniently for educational users, comes in 24 or 36 exposure lengths.

For those who want to save even more money, we are pleased to advise you that you can also buy this film in 30-metre bulk options too.

Black & White 35mm Film ISO 400 & Above

Film photographers choose ISO 400 indoors when you cannot use flash, and with the extra sensitivity, it is possible to get some decent shots. With increased sensitivity comes the downside, where you create extra grain or distortion in your pictures, but given the British climate, this is the film to have with you in the winter months. When light levels are deficient, we suggest the extended sensitivity of ISO 3200 film. It increases the shutter speed in certain situations (if you can't use a faster lens or additional lighting/tripod).

Washi Film

Washi's 25 ISO black & white film is a modern adaptation of one of the oldest photographic techniques: the paper negative or Calotype, invented by William Henry Fox Talbot. By coating photosensitive emulsion onto traditional Japanese paper, this innovative French company has produced the Washi, a new original film with a unique pictorialist aesthetic look.

Entirely handcrafted, easy to handle and develop, Washi Film is now available in conventional photographic formats: 35mm, 120 and 4 x 5, so now any monochrome photographer can discover this unique film.

Being a paper negative, you develop it in paper developer, usually 1+1 dilution, and you can reuse the solution for several rolls or sheets.

FomaPan Film

FomaPan, based in the Czech town of Hradec Kralove, is a quality budget alternative film to the big brands. Foma has been producing photo materials for almost one hundred years. Unlike other film manufacturers, they make in ISO 100, 200 and 400 options. All offer very competitive prices, and we recommend their 400 Action range with a 36-exposure film costing just £5.49.

It features an excellent resolution and is intended for use under unfavourable light conditions. We think it's an ideal educational purchase for the autumn/winter terms when picture-taking opportunities can sometimes be at a premium.

BLACK & WHITE 35MM FILM, ISO 400 & ABOVE

Code	Brand	Product	Ex VAT	Inc VAT
42018	Bergger	Pancro 400, 135-36, ISO 400	6.08	7.29
26437	Foma	Fomapan 400, Action, 135-36, ISO 400	4.58	5.49
11139	Ilford	HP5 Plus 135-24, ISO 400	6.08	7.29
11140	Ilford	HP5 Plus 135-36, ISO 400	7.49	8.99
11142	Ilford	XP2 Super 135-24, ISO 400	7.24	8.69
11143	Ilford	XP2 Super 135-36, ISO 400	9.24	11.09
11144	Ilford	Delta Pro 135-24, ISO 400	8.49	10.19
11145	Ilford	Delta Pro 135-36, ISO 400	9.99	11.99
11146	Ilford	Delta Pro 135-36, ISO 3200	11.91	14.29
26317	Kentmere	PAN 400 Black and White Film, ISO 400, 135-24	4.41	5.29
26318	Kentmere	PAN 400 Black and White Film, ISO 400, 135-36	4.58	5.49
26280	Kodak	TMax Pro 135-36, ISO 400	11.66	13.99
26283	Kodak	Tri-X Pro 135-36, ISO 400	11.66	13.99
26291	Kodak	TMax Pro 135-36, ISO 3200	14.16	16.99
90550	Lomography	Berlin Kino ISO 400, 135-36	9.99	11.99
90557	Lomography	Lady Grey, ISO 400. 135-36, Pack of 3	14.58	17.49
26271	Rollei	Infrared IR400 135-36, ISO 400	6.16	7.39
26354	Rollei	Retro 400S 135-36, ISO 400	5.24	6.29

Film
Film Chemicals
Film Cleaning
Film Storage
Film Scanners
Film Developing Tanks
Film Processing Accessories
Film Washing and Drying
Slide Viewers and Accessories
INDEX

Bulk 35mm Black & White Film

Bulk film is not a quaint photographic term for buying quantities of film at a reduced price, but ironically, this is precisely the result you achieve.

Bulk loading black and white 35mm film will save up to 40% compared to a regular "cassette" film roll. To take advantage of this saving, you must buy additional equipment, including a bulk film loader, scissors, tape, and reloadable cassettes.

Loading bulk film could not be easier; you attach the cassette in daylight, then wind on your required exposures - between 4 and 36 shots. Finally, cut the length from your main bulk, again in daylight, and you are ready to load your film into your camera.

When bought in 30-metre lengths, you get up to 684 shots from a single roll. This equates to a price of only £3.41 inc VAT for every roll of 36 exposures used (when using Kentmere PAN film), and as the cassettes used are re-useable, the only extra cost to a photo department is the time used in reloading the film.

DON'T FORGET YOUR CASSETTES

If you're buying bulk film, you'll need some plastic cassettes to load the film. Our cassettes are fully reusable, guaranteed light-tight and scratch-proof. The cassettes, manufactured by AP in Spain, are made in three pieces: casing, spool and cap.

A pack of cassettes in a pack of 20 costs £19.99 inc VAT, respectively.

120 Black & White Film

Medium-format film, sometimes called 120, is usually roll film, typically allowing 8 to 32 exposures on one roll of film before reloading is needed. This is fewer than 35mm cassettes, which usually take 24 or 36 pictures on one roll.

Being a negative size of 60 x 60mm, it also records an image size four times larger than a 35mm equivalent, making it the choice of professionals when printing in the darkroom.

Interestingly, medium format film also has a paper backing, which you discard during the loading of the film.

BULK 35MM BLACK & WHITE FILM

Code	Brand	Product	Ex VAT	Inc VAT
26466	Foma	Fomapan 100, Classic, 17m, ISO 100	24.24	29.09
26467	Foma	Fomapan 100, Classic, 30.5m, ISO 100	42.91	51.49
26468	Foma	Fomapan 400, Action, 17m, ISO 400	26.41	31.69
26469	Foma	Fomapan 400, Action, 30.5m, ISO 400	44.58	53.49
11194	Ilford	Delta Pro 30m, ISO 100	111.24	133.49
11195	Ilford	Delta Pro 30m, ISO 400	117.49	140.99
11150	Ilford	FP4 Plus 125 17m, ISO 125	67.91	81.49
11151	Ilford	FP4 Plus 125 30m, ISO 125	111.24	133.49
11153	Ilford	HP5 Plus 400 17m, ISO 400	67.91	81.49
11154	Ilford	HP5 Plus 400 30m, ISO 400	111.24	133.49
11148	Ilford	PanF Plus 50 30m, ISO 50	106.08	127.29
11157	Ilford	XP2 400 30m, ISO 400	93.58	112.29
26338	Kentmere	PAN 100 Black and White Film, ISO 100, 30m	54.08	64.89
26339	Kentmere	PAN 400 Black and White Film, ISO 400, 30m	54.08	64.89
25163	Kodak	Tri-X Pro 30m, ISO 400	187.5	225.00

120 BLACK & WHITE FILM

Code	Brand	Product	Ex VAT	Inc VAT
42028	Bergger	Pancro 400, 120, ISO 400	5.24	6.29
26432	Foma	Fomapan 100, Classic, 120, ISO 100	4.08	4.89
26435	Foma	Fomapan 200, Creative, 120, ISO 200	4.49	5.39
26438	Foma	Fomapan 400, Action, 120, ISO 400	4.49	5.39
26248	Fujifilm	Neopan Acros II 120, ISO 100	12.33	14.79
11132	Ilford	PanF Plus 120, ISO 50	7.08	8.49
11200	Ilford	Ortho 80 Plus 120, ISO 80	8.91	10.69
11107	Ilford	Delta Pro 120, ISO 100	7.24	8.69
11108	Ilford	Delta Pro 120, ISO 400	7.24	8.69
11411	Ilford	Delta Pro 120, ISO 3200	8.74	10.49
11134	Ilford	FP4 Plus 120, ISO 125	6.58	7.89
11137	Ilford	HP5 Plus 120, ISO 400	6.58	7.89
11410	Ilford	SFX 120, ISO 200	12.49	14.99
11141	Ilford	XP2 Super 120, ISO 400	6.33	7.59
11149	Kentmere	Pan 100 120, ISO 100	4.99	5.99
11156	Kentmere	Pan 400 120, ISO 400	4.99	5.99
26267	Kodak	TMax Pro 120, ISO 100, Pack of 5	58.33	69.99
26278	Kodak	TMax Pro 120, ISO 400, Pack of 5	48.33	57.99
25156	Kodak	Tri-X Pro 120, ISO 400, Pack of 5	49.99	59.99
90551	Lomography	Berlin Kino ISO 400, 120	7.91	9.49
90556	Lomography	Earl Grey, ISO 100. 120, Pack of 3	14.16	16.99
90558	Lomography	Lady Grey, ISO 400. 120, Pack of 3	14.99	17.99
90554	Lomography	Potsdam Kino, ISO 100. 120	6.91	8.29
26263	Rollei	Infrared IR400 120, ISO 400	7.08	8.49
26274	Rollei	Ortho 25 Plus 120, ISO 25	8.33	9.99
26351	Rollei	Retro 80S 120, ISO 80	5.41	6.49
26355	Rollei	Retro 400S 120, ISO 400	5.66	6.79
26353	Rollei	Superpan 200 120, ISO 200	5.58	6.69
26300	Washi	120, F, ISO 100	6.66	7.99
26277	Washi	120, W, ISO 25	11.49	13.79
26279	Washi	4 x 5, W, ISO 25, 12 sheets	23.58	28.29

Our Budget 120 Black and White Film

Have you ever longed for an inexpensive medium-format film in a world of ever-increasing prices? Well, Harman Technology (the Ilford people) offer two films, the cheapest medium format we sell. Available in both 100 and 400 ISO, they are ideal for those new or returning to film photography and budget-conscious photographers struggling with the current cost of living pressures.

ONLY £5.99

We particularly like the Kentmere Pan 100, which, compared to the Kentmere Pan 400, is slower, has finer grain, and has a touch more contrast when compared to the Ilford FP4. It also has less visible grain, less latitude although slightly less forgiving, and more contrast. At £5.99 inc VAT, both films represent excellent value for money.

FomaPan 100 120

Fomapan 100 Classic is another new budget medium format film this year. It is a flexible, panchromatically sensitised black and white negative film that produces fine grain and a very high resolution. It adapts well to exposure errors but may not be as dense in shadow areas as some contemporaries.

Large Format Black & White Sheet Film

Photographic sheet film is a large format photographic film supplied on individual sheets of acetate or polyester film base rather than rolls. It was initially provided as an alternative to glass plates. The most popular size measures 4×5 inches, although we also carry 5x7 and 8x10 inch sizes.

These days, the principal use for large format sheet film is for taking pinhole shots, but large format cameras, film holders and lenses are still widely available.

Our Budget 4 x 5" Black & White Film

The same Fomapan 100 Classic above is also available in the sheet film version and is a much cheaper option when compared to Ilford or Kodak equivalents.

£42.39 FOR 50 SHEETS

The nominal sensitivity of Fomapan 100 Classic is ISO 100/21. Its exposure latitude gives good results within an exposure range of EI 50/18 to EI 400/27. Fomapan 100 Classic resolving power: 110 lines/mm.

Being the cheapest sheet film that we sell, it is also ideal for experimental educational work.

Washi Paper Negative 4 x 5" Film

We sell a sheet film, a modern adaptation of one of the oldest photographic techniques: the paper negative or Calotype, invented by William Henry Fox Talbot. By coating photosensitive emulsion onto a traditional Japanese paper, Washi ISO 25 black & white film original film gives a lovely, unique pictorialist aesthetic look to it.

Entirely handcrafted and easy to handle and develop, Washi Film is recommended for those who like to experiment with film results. However, remember that being a paper negative, you develop it in a paper developer, like Ilford PQ, usually 1+1 dilution, and you can reuse the solution for several sheets.

Sheet Film – Buy the Best from Ilford

When you want the best quality sheet film, we recommend Ilford.

FP4 Plus combines fine grain, high sharpness, and an exceptionally smooth tonal range with robustness unaffected by over or under-exposure. HP5 Plus is their high-sensitivity, fast alternative and can also be pushed to 3200/36 and given extended development in Ilford DD-X, Ilfotec HC or Microphen developers.

Capable of enlargement up to huge sizes, FP4 film is used at its best where quality, dependability and control take priority over the speed of the film. HP5 is ideal for action, available light and general-purpose photography. You could use this film for landscapes and product photography.

LARGE FORMAT BLACK & WHITE SHEET FILM

Code	Brand	Product	Ex VAT	Inc VAT
26292	Foma	Fomapan 100, Classic, 4 x 5in, ISO 100, 50 sheets	35.33	42.39
26299	Foma	Fomapan 100, Classic, 9 x 12cm, ISO 100, 50 sheets	30.41	36.49
26436	Foma	Fomapan 200, Creative, 4 x 5in, ISO 200, 50 sheets	40.49	48.59
26439	Foma	Fomapan 400, Action, 4 x 5in, ISO 400, 50 sheets	40.49	48.59
26444	Foma	Retropan 320 4x5, ISO 320, 50 sheets	35.41	42.49
11138	Ilford	FP4 Plus 4 x 5in, ISO 125, Pack of 25	51.91	62.29
11147	Ilford	HP5 Plus 4 x 5in, ISO 400 Pack of 25	51.91	62.29
11152	Ilford	FP4 Plus 8 x 10in, ISO 125, Pack of 25	157.41	188.89
11155	Ilford	HP5 Plus 8 x 10in, ISO 400 Pack of 25	157.41	188.89
11158	Ilford	Ortho Copy Plus, ISO 80, 4 x 5in, Pack of 25	59.91	71.89
11413	Ilford	Delta 100 Sheet Film, 5 x 4, 25 Sheets	51.24	61.49
26270	Kodak	TMax Pro, 4 x 5in, ISO 100, 10 sheets	58.33	69.99
26275	Kodak	TMax Pro, 4 x 5in, ISO 400, 10 sheets	74.99	89.99
26264	Rollei	Ortho 25 Plus film, 5 x 4in, ISO 25	59.99	71.99
26272	Rollei	Infrared 400S 4 x 5 in, ISO 400, 25 Sheets	50.83	60.99
26276	Rollei	Ortho 25 Plus film, 8 x 10in, ISO 25	157.50	189.00
26279	Washi	4 x 5, W, ISO 25, 12 sheets	23.58	28.29

Film
Film Chemicals
Film Cleaning
Film Storage
Film Scanners
Film Developing Tanks
Film Processing Accessories
Film Washing and Drying
Slide Viewers and Accessories
INDEX

Harman Phoenix 200

This is the first-ever colour film made entirely from Harman technology and the first genuinely new colour film since Kodak Portra in 1998.

Phoenix is a quirky, experimental film that produces high-contrast images with strong, visible grain and punchy, vibrant colours. It's unlike any other colour film, and we urge all analogue colour photographers to try it.

NEW

With a DX-coded cassette and a box speed of ISO 200, Phoenix can be rated between ISO 100 and 400 but performs best in good, consistent light. Expect intense greens, good reds, and vibrant blues, but the possibility of halation.

Dubblefilm – Great Fun

Kodak makes the Dubblefilm range of 36 exposure 35mm rolls and then pre-exposed for creative looks. Partnered with Revolog, the range has five variants - Apollo, Bubblegum, Jelly, Pacific and Solar.

We particularly like the Pacific film, which creates beautiful sepia/blue/greenish tones that will enhance your photos. Dubblefilm describes it as a colour 35mm film with added tone, producing deep colours inspired by the freshness of a post-monsoon rain.

Each one will add a subtle twist to your colour photos, so it's worth checking out each one with its sample pictures on our website.

PACIFIC

SOLAR

35mm Colour Print Film

Colour film is a far more technologically advanced medium than black and white and uses two different processes for development – C41 for colour print film and E6 for processing colour slide film.

The sensitivity rule, described for black and white film, still applies, but most colour films remain in the popular ISO 100 – 400 grouping.

Our Budget 35mm Colour Print Film

Fuji's C200 film is our preferred budget colour print film. We consider it an ideal colour print film and a great alternative to Ektar or Portra from Kodak.

In our view, taking pictures in good lighting conditions works best and produces brilliant images when you want nostalgic results.

Either way, you'll not find better value because, at only £9.99 per roll of 36 exposures, it's an excellent film for beginners of colour analogue work. It is not as cheap as ColorPlus from Kodak but more readily available and a better film.

35MM COLOUR PRINT FILM

Code	Brand	Product	Ex VAT	Inc VAT
25169	CineStill	Xpro C-41 ISO 50 Daylight 135/36	15.83	18.99
25182	CineStill	400 Daylight C-41 135/36	13.16	15.79
25170	CineStill	Xpro C-41 ISO 800 Tungsten 135/36	15.24	18.29
26806	Dubblefilm	Jelly 135-36	9.99	11.99
26807	Dubblefilm	Solar 135-36	9.99	11.99
26808	Dubblefilm	Apollo 135-36	9.99	11.99
26809	Dubblefilm	Pacific 135-36	9.99	11.99
25181	Firstcall	Vision 3 250D ISO 125-400, 135-36	10.41	12.49
25184	Firstcall	Vision 3 500T ISO 500-800, 135-36	10.41	12.49
26634	Flic	Elektra 135-36, ISO 100	11.25	13.5
26341	Fujifilm	400 135-36, ISO 400	12.49	14.99
26360	Fujifilm	C200 135-36, ISO 200	8.33	9.99
11168	Harman	Phoenix C41 Colour Film C-41 135-36	10.83	12.99
26450	Kodak	ColorPlus 135-24, ISO 200	6.66	7.99
26451	Kodak	ColorPlus 135-36, ISO 200	9.99	11.99
26628	Kodak	Ektar 100 135-36 ISO 100	13.58	16.29
26630	Kodak	Gold GB 135-24, ISO 200	6.41	7.69
26631	Kodak	Gold GB 135-36, ISO 200	10.83	12.99
26632	Kodak	Gold GB 135-108, ISO 200	29.98	35.97
26030	Kodak	Ultra Max 135-24, ISO 400	7.41	8.89
26053	Kodak	Ultra Max 135-36, ISO 400	8.74	10.49
26773	Kodak	Portra 800 135-36, ISO 800	16.66	19.99
26779	Kodak	Portra 400 135-36, ISO 400, Pack of 5	74.99	89.99
26781	Kodak	Portra 160 135-36, ISO 160, Pack of 5	65.83	78.99
90538	Lomography	LomoChrome Metropolis XR ISO 100-400, 135-36	11.24	13.49
90539	Lomography	LomoChrome Metropolis XR ISO 100-400, 120	10.50	12.60
26760	Revolog	Rasp 135-36	12.91	15.49
26761	Revolog	Volvox 135-36	12.79	15.35
26762	Revolog	Texture 135-36	12.91	15.49
26763	Revolog	Lazer 135-36	12.91	15.49
26764	Revolog	Plexus 135-36	12.91	15.49
26765	Revolog	Streak 135-36	12.91	15.49
26766	Revolog	Tesla One 135-36	12.91	15.49
26767	Revolog	Tesla Two 135-36	12.91	15.49
26768	Revolog	Kolor 135-36	12.91	15.49
26769	Revolog	460nm 135-36	12.91	15.49
26770	Revolog	600nm 135-36	12.91	15.49
26772	Revolog	Kosmos 135-36	12.91	15.49
26311	Washi	135, 36 exposures, X, ISO 100, colour film	10.00	12.00

120 Colour Print Film

Sheet Colour Print Film

Protect your sheets with Maco Glassine Pages

An economical and practical method of storing negatives and contact proof pages is to buy a paper (glassine) type of storage sheet.

Our range from MACO is an alternative to those made in the UK by Kenro Limited and is almost 1/3 of the price compared to our Kenro range.

They make their negative sleeves from finely ground pulp paper, which is mainly greaseproof but has a low wet strength. A unique mechanical treatment called calendaring achieves a high level of transparency. Acid- and lignin-free, they are suitable for long-term negative storage.

- 100 sheets per pack
- Museum quality, document safe
- Acid- and lignin-free
- Highly suitable for archiving
- Glassine releases moisture

Kodak Portra 160

The Kodak Portra 160 120 variant is daylight-balanced and offers a smooth and natural colour palette, balanced with medium saturation and low contrast for accurate skin tones and consistent results.

It is, therefore, well-suited to portrait, wedding, commercial photography, and general use when lighting permits.

We love its excellent grain structure, high sharpness, and fine edge detail, and because of this, it is one of our favourite colour-negative films for scanning.

Alternatively, Portra 120 ISO 400 film is ideal for nature, travel and outdoor photography, where the action is fast, or you can't control the lighting.

It delivers fine grain, spectacular skin tones, and exceptional colour saturation over a wide range of lighting conditions.
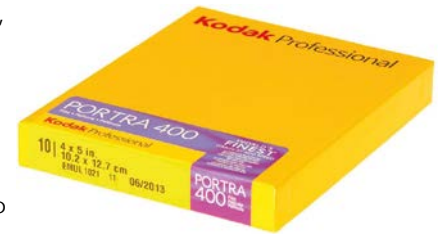
Kodak Portra 400 Sheet Film

You cannot get a finer-grain, high-speed colour-negative sheet film than the Kodak Portra 400.

At actual ISO 400 speed, it offers exceptional colour saturation over various lighting conditions.

As a large format photographer, you'll also appreciate consistently smooth, natural reproduction of the full range of skin tones.

Although Portra 400 sheet film is the ideal choice for portrait and fashion photography, you can equally use it for stunning nature, travel and outdoor photography, where the action is fast or the lighting is unchangeable.

120 COLOUR PRINT FILM

Code	Brand	Product	Ex VAT	Inc VAT
25179	CineStill	Xpro C-41 ISO 50 Daylight 120	15.24	18.29
25183	CineStill	400 Daylight C-41 120	13.16	15.79
25180	CineStill	Xpro C-41 ISO 800 Tungsten 120	15.83	18.99
26633	Kodak	Gold GB 120, ISO 200, Pack of 5	49.99	59.99
26636	Kodak	Ektar 100 120, ISO 100, Pack of 5	66.66	79.99
26774	Kodak	Portra 800 120, ISO 800, Pack of 5	89.99	107.99
26780	Kodak	Portra 400 120, ISO 400, Pack of 5	72.49	86.99
26782	Kodak	Portra 160 120, ISO 160, Pack of 5	66.66	79.99

SHEET COLOUR PRINT FILM

Code	Brand	Product	Ex VAT	Inc VAT
26613	Kodak	Ektar 100 4 x 5, ISO 100, Pack of 10 sheets	77.50	93.00
26614	Kodak	Portra 160 4 x 5, ISO 100, Pack of 10 sheets	60.83	73.00
26615	Kodak	Portra 400 4 x 5, ISO 100, Pack of 10 sheets	90.00	108.00
26616	Kodak	Portra 160 8 x 10, ISO 100, Pack of 10 sheets	299.17	359.00
26617	Kodak	Portra 400 8 x 10, ISO 100, Pack of 10 sheets	337.50	405.00
26429	MACO	Negative Pages, Paper (glassine), 4 x 5 inch, 100 sheets	38.33	45.99
26430	MACO	Negative Pages, Paper (glassine), 8 x 10 inch, 100 sheets	20.24	24.29

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

35mm Colour Slide Film

Fuji Slide Film

Fuji Velvia offers unparalleled colour saturation when shooting landscape or product shots with intense colours and high contrast. Use the Velvia 50 version when lighting conditions allow, e.g. Mediterranean landscapes or Velvia 100 when your lighting is not quite good.

We recommend Provia 100F if you want to scan your film and manipulate it digitally. Still, as it offers normal saturation, natural colours and medium contrast, it is the "all-rounder" safe option from Fuji.

Kodak Ektachrome

Kodak Ektachrome is recommended as the replacement for Kodachrome, and for a short time, was Kodak's only available slide film. Then it disappeared, but thanks to a resurgence in demand, it's back.

Ektachrome, known for its superb grain, clean colours, great tones and contrasts, is a great film to have back in an analogue photographer's armoury. When buying Ektachrome, you can choose between 35mm and 120 format versions.

35MM COLOUR SLIDE FILM

Code	Brand	Product	Ex VAT	Inc VAT
26635	Flic	Chrome 100 135-36, ISO 100	15.83	18.99
26325	Fujifilm	Velvia 100 135-36, ISO 100	22.08	26.49
26327	Fujifilm	Velvia 50 135-36, ISO 50	22.08	26.49
26373	Fujifilm	Provia 100F 135-36, ISO 100	18.16	21.79
26146	Kodak	Ektachrome E100 135-36, ISO 100	24.16	28.99
26382	Adox	Scala 50 135-36, ISO 50 (B&W)	4.96	5.95

120 and Sheet Colour Slide Film

Only Fuji make of Professional Slide Film

Although Kodak is now making 120 Ektachrome, only FujiFilm manufacture a full range of professional slide film.

The quality of the media that Fujifilm produces is just fantastic. When the client wants to see fully saturated, ultra-sharp slides, there is no better way than making that impact with Fuji Professional slide film. As with 35mm, choose between Velvia ISO 50 or 100 and Provia 100F options.

120 AND SHEET COLOUR SLIDE FILM

Code	Brand	Product	Ex VAT	Inc VAT
26323	Fujifilm	Velvia 100 4 x 5 in, 20 Sheets	143.33	171.99
26324	Fujifilm	Velvia 100 120, ISO 100, 5 pack	56.66	67.99
26326	Fujifilm	Velvia 50 120, ISO 50, Pack of 5	62.49	74.99
26329	Fujifilm	Provia 100F 4 x 5 in, 20 Sheets	127.49	152.99
26372	Fujifilm	Provia 100F 120, ISO 100, Pack of 5	49.99	59.99
26147	Kodak	Ektachrome E100 120, ISO 100, Pack of 5	89.16	106.99

Instant Film

FUJI INSTAX INSTANT FILM

Fuji is now the dominant force in instant picture film. Their film can be used in their cameras, Leica, Lomography, and others. They offer a choice of no less than three format sizes depending on the Fuji Instax instant camera you are using.

The best-selling of these three options is their Instax Mini film – a wallet-sized photo that you can use in their "Mini" series cameras, and it is this size that fits the Lomography and Leica Instant cameras, too.

The larger Wide Colour Twin offers a glossy image 4 x 2.5" and is used in the Instax 300 camera (and the 200/210 model, too). Much like a traditional "Polaroid" size, this larger picture can be used in a Fuji Instax camera that costs less than £110.

FUJI INSTANT FILM

Code	Brand	Product	Ex VAT	Inc VAT
56001	Fujifilm	Instax Wide Colour ISO 800 Twin Pack	15.74	18.89
56002	Fujifilm	Instax Mini, ISO 800, 10 Sheets, Twin Pack	12.49	14.99
56012	Fujifilm	Instax Wide Monochrome WW1 ISO 800, 10 sheets	10.83	12.99

POLAROID INSTANT FILM

Polaroid Originals is the manufacturer of Polaroid film and cameras. We stock their Polaroid instant film in two formats, 600 and SX-70. The great thing about this is that even if your Polaroid camera is forty years old, you can still get replacement film for it.

Polaroid Type 600 Instant Film

This colour instant film is purpose-made with the new Now or One Step 2 cameras, i-Type, Lab or any older Polaroid 600-type camera. Made by Polaroid originals, this film offers high colour saturation, levels of detail and sharpness and stunning image quality.

Specification:
• Eight exposures per pack
• Colour instant film for Polaroid 600-type cameras & Instant Lab
• Format: 3.5 x 4.2 inches (8.8 x 10.7 cm)
• Image area: 3.1 x 3.1 inches (7.9 x 7.9 cm)
• Finish: Glossy
• Development: 30 minutes approx at 70°F (21°C)

Works with:
• Polaroid 600-Type Cameras
• i-1 Cameras
• One Step 2 Cameras
• Polaroid Now Cameras
• Instant Lab

Polaroid Black & White Instant Film

Polaroid produces both formats of its film in black and white as well as colour. Black & White 600 film is a classic instant film for vintage Polaroid 600 cameras (but it works with i-Type cameras as well). It captures your photos in deep blacks, bright whites and a million shades in between, and it's great for everything from studio portraits to late-night parties because everyone looks good in black & white (even after one too many cocktails).

Their SX-70 Black and White film is the same slow speed (ISO 160) as the colour SX-70 version, so while it can be equally as creative as with the Type 600 B&W, you need to try to shoot in lots of bright, natural light just as when you're using colour.

POLAROID INSTANT FILM

Code	Brand	Product	Ex VAT	Inc VAT
90543	Polaroid	Color 600 Film - 8 pictures	15.83	18.99
90544	Polaroid	B&W 600 Film - 8 pictures	15.83	18.99
90545	Polaroid	Color SX70 Film - 8 pictures	17.49	20.99
90547	Polaroid	B&W SX70 Film - 8 pictures	17.49	20.99
90565	Polaroid	Go Colour Film Twin Pack	15.83	18.99

FILM PROCESSING CHEMICALS

Developing film is more accessible than most photographers think. In particular, Black & White, which is very straightforward and inexpensive to do. It's even possible to process with just two chemicals – developer and fixer – converting the unseen latent image into a permanent visual image. However, other solutions – stop bath, clearing agent and wetting agent – are optional but strongly recommended for obtaining film-processing results that are consistently good and long-lasting.

The colour print film follows a similar path to black and white when it comes to processing chemicals, but generally at higher temperatures (38°C). However, colour print and colour slide processing chemicals tend to come in kits with everything you need to make it easier.

Black & White Film Developers

The most critical part is the developer, which is needed to convert the exposed silver halide crystals on a film into metallic silver, which produces the characteristic blacks and greys of a monochrome image

We stock over 30 different types of developers; most are available for next-day delivery. Choosing from highly economical options to specialist offerings to customise the process is possible. Most developers come in concentrated liquid form, which you then dilute with water. The most common dilution is 1+4, but some highly concentrated developers, like Ilford's LC29, dilute as little as 1+29.

All black and white film developers will process at a room temperature of 20°C, but increase that temperature to 24°C, and you will cut your processing time by up to one-third.

Ilford Ilfosol 3 and Fotospeed FD10

Closely related in formulaic terms, Ilford Ilfosol 3 and Fotospeed FD10 are both liquid-concentrated developers that give fine grain and good sharpness. We sell more of these two developers than any other principally because they faithfully develop medium and slow-speed films like Ilford Pan 100 or 400 films.

To use, you generally dilute the liquid concentrate at 1+9 for a one-shot at 20°C. For more excellent economy, they can be used with many films at a higher dilution of 1+14, with only a slight trade-off in image quality. Full unopened bottles will be kept for a year but opened for up to four months.

Ilfosol 3 only comes in 500ml bottles, typically making 5 litres of working solution.

Fotospeed FD10 comes in 250ml, 1-litre and 5-litre options. The 5-litre container will make 50 litres or, put another way – DEVELOP UP TO 170 FILMS when a typical 35mm tank uses 300ml of working solution. This equates to a cost of only 44p a film.

Zone Imaging Lab 510 Pyro

510 Pyro is a unique developer among the staining pyro and catechol type; it is the finest grained developer to date without compromising film speed or acutance. It has even better tonal separation than any other of its contemporaries.

For scanning, shadows are exceptional, and in the darkroom, highlights look outstanding.

That's why at Firstcall, we believe it is the best of the various tanning and staining developers. It offers the ultimate Holy Trinity of full speed, fine grain and acutance, often compromised with other developer choices.

For UV-based alternative prints, the proportional stain increases the density of highlights. Hence, a more pleasing contrast is possible without using toxic chemicals like dichromate to increase contrast afterwards, when such chemicals also damage the print.

Plus, it is compatible with Jobo and other rotary machines, unlike other pyros/catechol developers - PMK can be of note as one that does not.

It's a highly flexible developer, using 1:100 to 1:500, with two main recommended development methods for user preference, with 1:100 dilution with almost 50 films having times. It also hardens the emulsion, protecting it from damage.

Our Cheapest Film Developer

Adox Atomal 49 is an extra-fine grain, compensating developer offering excellent film speed and high contrast control. As a single-use developer, ATM 49 delivers precise, repeatable results. The powder developer mixes to make a 1-litre stock solution. The stock solution can be used for up to ten films or further diluted as a single-shot developer. Stock solution can be kept in a full container for up to 6 weeks. The 5-litre version mixes to a 5-litre stock and, working the same way, can process up to 50 films, making it the cheapest developer we sell.

Develop and Fix your Black & White Film at the same time

Most analogue photographers have two options for processing the film they shoot – develop the rolls yourself or take them to your local lab. Until now, being away from home, without a darkroom or a changing bag, has meant extreme difficulty in developing a film.

With the Ars-Imago MB Monobath film developer, you can develop and fix simultaneously with only one bath!

This highly concentrated all-in-one developer produces medium-high contrast negatives with an accurate and evenly balanced tone scale for black and white films. Mix 300ml of Part A and 300ml of Part B to get 600ml of working solution in a jug. Pour the solution into the developing tank, and 8 minutes is all it takes at 20 degrees C for most black and white film to be developed (and fixed)—no stop bath required.

You can re-use the working solution several times in a couple of weeks, or the stock solution can be diluted 1:1 and used as a one-shot developer.

You can achieve the best results with conventional cubic-grain films like Ilford's HP5 and FP4, Kodak Tri-X or Kentmere. Using Monobath with T-Grain films like Ilford Delta or Kodak T-Max is not recommended.

This fast, easy and efficient solution for developing your black and white films, with only one chemical bath, makes it an ideal companion to the new Lab-Box from Ars-Imago.

Adox Adonal Film Developer (Rodinal formula)

Adonal is made to the same formulation as Rodinal and is an acutance-enhancing film developer. You should achieve identical results, albeit it offers more fine-grain while enhancing sharpness and acutance.

We also suggest that when using high dilutions and small developing tanks, please apply 35mm or 120 at least 5 ml of the concentrated developer on each film. For sheet films, please use 5 ml of concentrate for every four sheets of 4x5 or one sheet of 8x10 inch size.

Made in Germany, it features superb contour sharpness and a high-speed yield and is a highly concentrated, very sharp working film developer. It is a one-shot developer and cannot be re-used but can be used as a fundamental economic developer. It can be used with slow or medium-speed films at a dilution of 1+25 or 1+50 for real economy. For specialist films, you can even use it at dilutions of 1+300.

CineStill DF 96 Monobath Developer & Fixer

Developing black and white film is so simple with the CineStill Df96 Monobath. The angst of too much development, dilution, time or agitation is a thing of the past. Even Stop Bath, Fixer or Hardener can all be dispensed with if you use Df96, making for foolproof at-home film processing.

This ready-to-use single-step solution also overcomes inconsistencies like improper dilution, over-agitation, bubble marks or surge marks. You'll also find that over-processing is impossible because the fixing action overtakes chemical development while aiding physical development, creating better image uniformity and finer-grain negatives.

Df96 has finally overcome the old monobath solution problem of losing emulsion speed, which often results when the fixation process dissolves the exposed silver halide before development can happen. Available as a liquid or long-lasting powder.

FX-39 Type II Film Developer – HD Excellence

This one-shot, high-definition developer is perfect for bringing out exceptional detail and extreme sharpness from your negatives.

Based on the Beutler Formula for Neofin Red, it was initially formulated by Geoffrey Crawley for Paterson Photographic and is closely related to Acutol but specifically developed to exploit the advanced silver halide grain technology in films such as Ilford Delta, Kodak Tmax or Fuji Acros. It makes excellent use of the film's total ISO rating and can double its ISO by adjusting the development times.

At 1+19 dilutions, twice the average development time applies, giving you a valuable compensating effect with extra shadow detail and the ability to cope with high-contrast subjects. We especially recommend it for films up to 200 ASA.

Standard dilution is 1+9. At 1+14, the time should be multiplied by 1.5, and dilutions of 1+19 develop for twice as long as by standard dilution.

Powder Developers ID11 and D76

These two powder developers' formulas are similar, producing identical results. They are the two most popular powder developers we sell, single part and straightforward to mix.

Both are economical, versatile fine-grain developers for all general film processing requirements requiring fine-grain negatives without losing emulsion speed. It is recognised internationally as a standard in many scientific and technical photography fields.

They will process more types of black and white film than any other developer, ensuring the best balance of fine grain, sharpness and tonal rendition, producing negatives that allow a high degree of enlargement.

ID11 is still available in a pack to make one litre (5 films) or 5 litres, and so is the new Adox D76 (a replacement for Kodak), which is identical to the unobtainable Kodak version. Storage time for an unopened full bottle of ID-11 stock solution is six months.

Finally, here's a little tip if you like the look of these developers. Ilford Ilfotec-HC was designed to be liquid concentrate alternatives of D76 and ID11.

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

FILM DEVELOPER

Code	Brand	Product	Description	Ex VAT	Inc VAT
26332	Adox	FX-39 Type II Film Developer, 500ml	High definition developer offering fine-grain and sharpness	6.33	7.59
26333	Adox	FX-39 Type II Film Developer, 100ml	High definition developer offering fine-grain and sharpness – develops 4 films	4.83	5.79
27485	Adox	XT-3 Film Developer, makes 1 litre	Also know as Vitimin C developer, processes 10 films	4.42	5.3
27486	Adox	XT-3 Film Developer, makes 5 litres	Also know as Vitimin C developer, processes 50 films	12.42	14.9
27505	Adox	D-76 Film Developer, makes 1 litre	Alternative to the classic Kodak developer, processes 10-16 films	6.66	7.99
27506	Adox	D-76 Film Developer, makes 5 litres	Alternative to the classic Kodak developer, processes 50+ films	12.49	14.99
40902	Adox	Adotech IV, 100 ml	Liquid, for use with Adox CMS20 film, develops 6 rolls	12.49	14.99
40907	Adox	HR-Developer, 100ml	Makes up to 5 litres. Purpose made for use with Adox HR-50 film	8.29	9.95
41141	Adox	Adonal Film Developer (Rodinal formula), 500ml	Liquid, pea-soup economy, ma litres	10.41	12.49
41176	Adox	Atomal 49 Film Developer, makes 1 litre	Powder, extra-fine grain developer, processes 10 films	5.41	6.49
41177	Adox	Atomal 49 Film Developer, makes 5 litres	Powder, extra-fine grain developer, processes 50 films	11.49	13.79
12032	Ars-Imago	Monobath Film Developer, A & B, 500ml	Develop and fix your black & white film at the same time with only one bath!	15.00	18.00
27480	Bellini	Eco Range Film Developer, 500ml	Hydroquinone Free, makes 1 litre	7.50	9.00
27487	Bellini	Hydrofen Developer, 100ml	Hydroquinone, high contrast developer, makes 1.6 litres	3.33	3.99
27488	Bellini	Hydrofen Developer, 250ml	Hydroquinone, high contrast developer, makes 4 litres	6.66	7.99
27489	Bellini	Nucleol BF200 Developer A + B, 500ml	Pyro developer that offers fine-grain negatives with a high level of sharpness, high acutance and superb tonality.	6.66	7.99
27490	Bellini	Eco Range Film Developer, 1 litre	Hydroquinone Free, makes 2 litres	10.83	12.99
27492	Bellini	Euro HC Film Developer, 500ml	Liquid, rapid processing, makes 16 litres, alt to Kodak HC110	16.66	19.99
42024	Bergger	Berspeed Film Developer, 5 litre	Powder, speed enhancing, makes 10 litres	16.66	19.99
42025	Bergger	PMK Film Developer, A & B 500ml plus 250ml	Liquid, Pyro staining universal developer, makes 25 litres	25.83	31.00
42026	Bergger	PMK Developer Roto Additive, 250ml	For use with PMK when used in rotary processor, makes up to 25 litres	4.91	5.89
26110	Champion	Suprol Universal Film & Print Developer, 1 litre	Liquid, for film and paper, makes up to 10 litres	9.16	10.99
21029	CineStill	DF 96 Monobath Developer & Fixer, 1 litre	Single-step solution, processes up to 16 black & white films	18.33	21.99
21030	CineStill	DF 96 Monobath Dev & Fixer, powder, makes 1 litre	Single-step solution, processes up to 16 black & white films	16.66	19.99
41174	Foma	Fomadon Excel Film Developer, makes 1 litre	Low cost powder developer – perfect for Foma films	4.41	5.29
41175	Foma	Fomadon LQN Film Developer 250 ml.	Low cost liquid developer – perfect for Fomapan films.	3.74	4.49
26059	Fotoimpex	110 Film Developer, 500ml	Liquid, rapid processing, makes 16 litres	21.66	25.99
13001	Fotospeed	FD10 Film Developer, 250 ml	Liquid, one-shot economy, makes 2.5 litres	5.58	6.69
13003	Fotospeed	FD10 Film Developer, 1 litre	Liquid, one-shot economy, makes 10 litres	15.83	18.99
13004	Fotospeed	FD10 Film Developer, 5 litres	Liquid, one-shot economy, makes 50 litres	63.33	75.99
11004	Ilford	ID11 Film Developer, 1 litre	Powder, makes 1 litre	8.08	9.69
11006	Ilford	ID11 Film Developer, 5 litres	Powder, makes 5 litres	16.49	19.79
11009	Ilford	Microphen Film Developer, 1 litre	Powder, extra fine, makes 1 litre	8.08	9.69
11010	Ilford	Ilfotec DD-X Film Developer, 1 litre	Liquid, ideal for Delta 3200, makes 5 litres	27.99	33.59
11011	Ilford	Perceptol Film Developer, 1 litre	Powder, extra fine grain, makes 1 litre	8.08	9.69
11014	Ilford	Ilfosol 3 Film Developer, 500 ml	Liquid, makes 5 litres	12.24	14.69
11015	Ilford	Ilfotec LC29 Film Developer, 500ml	Liquid, economical, makes 15 litres	26.24	31.49
11016	Ilford	Ilfotec HC Film Developer, 1 litre	Liquid, rapid processing, makes 16 litres	38.24	45.89
11360	Ilford	Simplicity Film Developer, 60ml	Enough black & white developer to process 2 films	4.41	5.29
18032	Kodak	XTOL Film Developer, 5 litres	Powder, makes 5 litres	13.91	16.69
26050	Kodak	D76 Film Developer, 3.8 litres	Powder, same as ID11	13.16	15.79
26054	Kodak	HC110 Film Developer, 1 litre	Liquid, rapid processing, makes 32 litres	31.41	37.69
26057	Kodak	T-Max Film Developer, 5 litres	Liquid	21.58	25.89
28484	Rollei	RHC High Contrast, 1 litre	Liquid, for film & paper, makes up to 10 litres	17.66	21.19
28485	Rollei	Supergrain Film Developer, 500ml	Liquid, compensating developer, one time for all films, makes up to 7.5 litres	17.08	20.49
19128	Tetenal	Parvofin B/W Developer Tablets (10)	Individiual film development dry tablets – pack will process 20 films	31.24	37.49
27493	Zone Imaging Lab	510 Pyro, 100ml with the 5ml oral syringe	Amazing pyro developer that develops 30-100 35mm rolls, 5+ years shelf life	21.67	26.00

Cost of living helper

With money being a little tighter to spend this year, not helped by some significant film price increases, we have noticed a large increase in Fomapan's black and white film sales in the last few months. To go with that, but not exclusively, we offer a new low-cost film developer option from Foma that will make the pennies go further.

They produce two Fomadon developers that (for around £5) are welcome additions to this year's film developer range.

Fomadon Excel is a one-litre powder developer capable of producing 12 black-and-white films from any manufacturer. Fomadon LQN is a 250ml liquid developer capable of developing 12 films but is particularly attuned to Fomapan 100 and 400 users.

STOP BATH

Code	Brand	Product	Description	Ex VAT	Inc VAT
27482	Bellini	Eco Range Universal Stop Bath, 1 litre	Citric Acid Monohydrate makes 20 litres	11.66	13.99
27491	Bellini	Eco Range Universal Stop Bath (inc. indicator dye) 500ml	Citric Acid Monohydrate (odourless) makes 10 litres	6.91	8.29
13034	Fotospeed	SB50 Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 20 litres	11.08	13.29
13037	Fotospeed	SB50 Odourless Stop Bath, 5 litres	Liquid, including dye indicator, makes 100 litres	44.33	53.19
11025	Ilford	Ilfostop Stop Bath, 500 ml	With indicator, based on citric acid, makes up to 10 litres	8.99	10.79
11362	Ilford	Simplicity Film Stop Bath, 30ml	Enough black and white stop bath to process two films	3.58	4.29
18001	Kodak	Indicator Stop Bath, 470ml	Liquid, including dye indicator, makes 30 litres	7.49	8.99
41120	Rollei	RCS Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 17 litres	14.58	17.49

Film Stop Bath

The primary function of the stop bath is to halt the development process and to remove the excess developer from the film. Do not only use running water for this purpose because you need to neutralise the developer and prevent contamination of the fixer. The stop bath also removes the calcium and magnesium deposits in hard water that often form during development.

The most commonly used film stop bath is an acetic acid solution. Odour-free citric acid stop baths are also available but are not as concentrated as acetic acid versions and often cost more.

You use Stop Baths in film and print processing, and they usually come with a dye that changes the colour of the solution when exhausted. Be sure to dilute the concentrate correctly, as you can blister the film if it is too strong.

Most films only need 30-60 seconds in a stop bath to be effective.

Our Cheapest Stop Bath

ONLY
£10.79

We do not sell a cheaper stop bath than one from Ilford. Ilfostop is a citric acid odourless stop bath made in Germany and has a universal application for all black & white films and photographic RC/ FB papers.

It has an indicator dye to warn of exhaustion. It also makes for a more pleasant darkroom environment due to its odourless formula. It dilutes at 1+19 with water in all applications, making up to 10 litres of working solution.

Odour Free Stop Bath

Using a citric odourless stop bath makes for a safer and sweeter-smelling darkroom when compared to a traditional acetic acid stop bath. You remove allergies and skin irritations by using this type of stop-bath, equally suitable for film or paper use. Choose from Bellini, Fotospeed or Tetenal. All dilute at 1+19 in either application, come with indicator dye to warn of exhaustion and are ready to wash after 1 minute of immersion. With them, you will find they also protect your fixer life and performance with no alkali carry-over from the developer.

Film Fixers

The action of "fixing" the film will fix the image on the negative; in effect, it stops the film from going black in daylight. A fixer turns unused silver halides into a compound that will dissolve in water and can then rinse off the film. As a rule, you should allow 5 minutes to fix a film and 2 minutes for paper fixing.

There are two types of fixer. The acidified "hypo" type main ingredient is sodium thiosulphate, which you usually use at film strength. The other kind of fixer contains acidified ammonium thiosulphate. You once needed to add a hardener to these fixers for use with films when an emulsion required protection, but this is no longer the case with most modern films. Ammonium thiosulphate fixers half the fixing time and are often called rapid fixers.

Sodium Fixers

Not many sodium fixers are left on the market now, as everyone prioritises processing speed. However, Kodak's version is a traditional hardening Sodium Thiosulphate fixer powder that makes a stock solution of 3.8 litres for fixing film. Still, you can also dilute the stock 1:3 to fix the paper.

Tetenal markets a time-saver fixer called Superfix Plus that eliminates the need for a stopbath after development.

For sensitive users, we also sell the Fotospeed Odourless Stop baths and fixers - which you will find on the black and white paper auxiliaries page.

Adox Adofix P II

Great value – Adox Adofix P II is unusual because it is a universal powder acid fixer for films and papers - all others being liquid. You can use it to process most types of black-and-white photo papers and films manually.

ONLY **£3.49**

This lightweight powder fixer, based on Sodium Thiosulphate, has a great shelf life. Both the powder and the working solution are very durable. It's also a great value option when a small fixer solution is required. Makes 1 litre.

Champion Amfix

Amfix universal fixer dilutes at 1+4 for film or 1+9 for prints of all types. It offers rapid fixing times and high throughput potential. Available in 1- or 5-litre concentrates, it is our best-selling fixer. You cannot buy a cheaper fixer.

Ilford Rapid and Hypam

Hypam was available in all sizes, but now only 5-litre containers are available. Hypam differs from Rapid Fixer, Ilford's standard offering in 500ml and 1-litre bottles, because Ilford adds a hardener to Hypam to make a hardening fixer. Both are ammonium thiosulfate rapid fixers and are thus very similar in use. Both give you the quickest wash times possible with a non-hardening fixer. You can also use film and paper at 1+4 dilution for film and 1+9 for paper.

Odourless Fixer

Fotospeed's helping hand in making your darkroom a sweeter-smelling place is extended with their odourless fixer, suitable for film and paper use. The FX30 fixer standard dilution is 1+9. It makes for a more pleasant working environment in your darkroom and is pH neutral; it is available in 1 or 5-litre containers. Using a stop bath is recommended to extend the life of the fixer. Tetenal also makes an odourless fixer, but only in a one-litre size.

FIXER

Code	Brand	Product	Description	Ex VAT	Inc VAT
26334	Adox	Adofix Plus Fixer, 100ml	Baby bottle fixes 4 films	2.91	3.49
40905	Adox	Adofix P II Universal Fixer, powder makes 1L	Powder, for film and paper, makes 1 litre	2.91	3.49
40909	Adox	Adofix Plus Fixer, 500ml	Liquid, for film and paper, makes 5 litres	4.99	5.99
40910	Adox	Adofix Plus Fixer, 1L	Liquid, for film and paper, makes 10 litres	8.33	9.99
27481	Bellini	Eco Range Universal Fixer, FX100, 1L	Ammonium Hyposulfite, makes 5-10 litres	11.24	13.49
27502	Bellini	Eco Range Universal Fixer, FX100, 5L	Ammonium Hyposulfite, makes 50-100 litres	39.16	46.99
26116	Champion	Amfix Fixer, 1L	Liquid, for film and paper, makes 5 l for film or 10 l for prints	7.08	8.49
26117	Champion	Amfix Fixer, 5L	Liquid, for film and paper, makes up to 50 litres	21.83	26.19
13010	Fotospeed	FX20 Fixer, 1L	Liquid, film and paper, makes up to 10 litres	8.74	10.49
13011	Fotospeed	FX20 Fixer, 5L	Liquid, film and paper, makes up to 50 litres	34.83	41.79
13012	Fotospeed	FX30 Odourless Fixer, 1L	Liquid, for film and paper, makes up to 10 litres	8.74	10.49
13014	Fotospeed	FX30 Odourless Fixer, 5L	Liquid, for film and paper, makes up to 50 litres	34.83	41.79
11020	Ilford	Rapid Fixer, 500 ml	Liquid, film and paper, makes up to 5 litres	11.74	14.09
11021	Ilford	Rapid Fixer, 1L	Liquid, film and paper, makes up to 10 litres	16.08	19.29
11022	Ilford	Hypam Fixer, 5L	Liquid, film and paper, makes up to 50 litres	45.41	54.49
11361	Ilford	Simplicity Film Fixer, 100ml	Enough black and white fixer to process 2 films	4.49	5.39
18036	Kodak	Professional Rapid Fixer with Hardener, 1L	For film and paper, makes up to 3.8L; Solution A 946ml, Solution B 106ml	17.66	21.19
26070	Kodak	Sodium Fixer, 3.8L	Powder, for film and paper, makes up to 15 litres	20.33	24.39
41114	Rollei	Fix AG, 1.2L	Liquid, for film & paper, makes up to 12.5 litres	10.00	12.00
41115	Rollei	Fix AG, 5L	Liquid, for film & paper, makes up to 50 litres	24.58	29.49
41116	Rollei	Fix AG Plus, 5L	Liquid, for film & paper, makes up to 50 litres	28.74	34.49
19043	Tetenal	Superfix Plus Fixer, 1L	Liquid, rapid fixer, makes up to 10 litres	15.91	19.09
19129	Tetenal	Superfix B/W Film & Paper Fixer Tablets (20)	20 individual fixer dry tablets - pack will process up to 60 films or 160 sheets of RC paper	24.99	29.99
27456	Zone Imaging Lab	Eco Zonefix, 1L	Powder, alkaline fixer	6.63	7.95

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Photo Chemicals for an Eco-Friendly Life

We have increasingly been asked to source sustainable products that customers can enjoy more responsibly in the last few years. Because of our experience, we have provided new ranges of both chemicals and equipment. Here we list our environmentally-friendly chemical range, and if you're interested in our equipment additions (like our stainless-steel replacements for plastics), please look at page 29.

You can easily replace your film developer and completely stop bath and fixer with eco-friendly products. Bellini, for example, makes a hydroquinone-free developer (saves killing fish in the watercourse). Fotospeed and Ilford also make comparable products. They also produce citric acid stop baths and odourless fixers – I'm sure we've all had enough of wearing masks in the last couple of years.

Look out for more eco-products in the coming year.

PHOTO CHEMICALS FOR AN ECO-FRIENDLY LIFE

Code	Brand	Product	Description	Ex VAT	Inc VAT
27485	Adox	XT-3 Film Developer, makes 1 litre	Also know as Vitimin C developer, will process 10 films	4.42	5.3
27486	Adox	XT-3 Film Developer, makes 5 litres	Also know as Vitimin C developer, will process 50 films	12.42	14.9
27480	Bellini	Eco Range Film Developer, 500ml	Hydroquinone Free, makes 1 litre	7.50	9.00
27490	Bellini	Eco Range Film Developer, 1 litre	Hydroquinone Free, makes 2 litres	10.83	12.99
27481	Bellini	Eco Range Universal Fixer, FX100, 1 litre	Ammonium Hyposulfite, makes 5-10 litres	11.24	13.49
27491	Bellini	Eco Range Universal Stop Bath (inc. indicator dye) 500ml	Citric Acid Monohydrate (odourless), makes 10 litres	6.91	8.29
27482	Bellini	Eco Range Universal Stop Bath, 1 litre	Citric Acid Monohydrate, makes 20 litres	11.66	13.99
27492	Bellini	Euro HC Film Developer, 500ml	Liquid, rapid processing, makes 16 litres, alternative to Kodak HC110	16.66	19.99
13010	Fotospeed	FX20 Fixer, 1 litre	Liquid, film and paper, makes up to 10 litres	8.74	10.49
13011	Fotospeed	FX20 Fixer, 5 litres	Liquid, film and paper, makes up to 50 litres	34.83	41.79
13012	Fotospeed	FX30 Odourless Fixer, 1 litre	Liquid, for film and paper, makes up to 10 litres	8.74	10.49
13014	Fotospeed	FX30 Odourless Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	34.83	41.79
11025	Ilford	Ilfostop Stop Bath , 500 ml	With indicator, based on citric acid, makes up to 10 litres	8.58	10.29
11362	Ilford	Simplicity Film Stop Bath, 30ml	Enough black and white stop bath to process 2 films	3.58	4.29
18001	Kodak	Indicator Stop Bath, 470ml	Liquid, including dye indicator, makes 30 litres	7.49	8.99
18032	Kodak	XTOL Film Developer, 5 litres	Powder, makes 5 litres	13.91	16.69
41120	Rollei	RCS Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 17 litres	14.58	17.49

Clearing and Wetting Agents

After fixing, the film must be washed clean of processing chemicals. This process usually requires 20 to 30 minutes, with agitation and a complete water change at least every 5 minutes. Because concern for conservation and ecology is placing a higher premium on water supplies, it is worthwhile to reduce long and wasteful washing times by using a clearing agent, often called a hypo neutraliser or hypo eliminator.

This solution speeds up the removal of the fixer and allows more efficient washing. For example, after a one or two-minute bath in Kodak's Hypo Clearing Agent, films need only a 5-minute wash. It is best to give the film a pre-rinse with water and moderate agitation during the clearing step.

Using a wetting agent is unnecessary, but it is a final step before drying that helps you get the best negatives. Wetting agents, such as Fotospeed's RA50, make the film's surface "wetter" so water flows off it smoothly, preventing water spots or streaks on the film while drying. The film is bathed in it for 30 to 60 seconds, which helps minimise scratching of the film.

CLEARING AND WETTING AGENTS

Code	Brand	Product	Description	Ex VAT	Inc VAT
13009	Fotospeed	FR10 Farmers Reducer, 4x 250ml	For over exposure, makes 4x 250ml	14.99	17.99
13019	Fotospeed	RA50 Rinse Aid Wetting Agent, 500 ml	Liquid, anti-drying marks aids drying, makes 200 litres	5.74	6.89
11001	Ilford	Washaid, 1 litre	Liquid, aids washing of film and FB papers, makes 5 litres	10.24	12.29
11029	Ilford	Ilfotol Wetting Agent Liquid, 1 litre	Liquid, add to film wash, makes 200 litres	18.58	22.29
11363	Ilford	Simplicity Film Wetting Agent, 25ml	Enough black and white wetting agent to process 2 films	3.83	4.59
18002	Kodak	Photo Flo, 470ml	For anti-drying marks, makes 94 litres	8.83	10.59
18004	Kodak	Hypo Clearing Agent, 3.8 litres	Powder, reduces wash time, makes 19 litres	10.24	12.29

Colour Film C41 Chemicals

We often get the question, "I have done black and white processing and now want to try colour negative processing – how hard is it?". If you can maintain the temperature at 38 degrees C (the main difference between the two), then everything else in C41 processing is relatively familiar and straightforward.

When you need to develop a colour-negative film, C41 chemistry is required.

OUR ECN2 KITS – C41 ALTERNATIVES

Chemical kits designed for motion pictures that require the Motion ECN2 process can also process 35mm camera film that has been re-rolled from large reels for SLR photography, e.g. the new Firstcall Vision 3 film we are selling.

While Bellini produces a complete liquid kit, an alternative option comes from Cinestill in their Cs2 kit. This kit contains one litre of ready-to-use pre-bath and concentrated solutions, including one litre of the developer, stop bath, bleach and fixer in handy powder form. The one-litre kit will process up to 16 35mm films of 36 exposure, one 16mm film of 30.5m, or six Super 8 films of 15 metres in length and comes with straightforward instructions. All you need is water, a thermometer and any simple tank and reel system! ECN is excellent for high-contrast scenes, achieving the low-contrast cinematic look of motion picture negatives and a high-quality alternative to standard C41 processing. Shelf life can be up to two to three years.

Rollei Colorchem C-41

The Colorchem Kit is identical to Tetenal's in that the kit comes in two baths and includes a stabiliser bath in the box. This one-litre pack will develop up to 16 films that cost only £1.62 per developed roll, making it very economical.

Rollei Colorchem C41 can process any C41 film (including Ilford XP2) from operating temperatures as low as 25°C to the classic 38 °C.

You can even use it at a Rapid temperature of 45° C. Total processing time, including washing and stabilising, for films varies between 11 and 28 minutes, depending on the temperature. The kit has a complete instruction booklet with development times, storage life, and mixing instructions.

Our recommended C41 Kit

Our recommended C41 kit is also one of the cheapest. The Bellini Monopart Kit is also slightly different from other kit suppliers in that the developer is diluted when using it and because the bleach and fix are separate components (the bleach even comes ready to use).

It is an excellent value kit (up to 14 films can be processed) and easy to mix, with a start-to-finish processing time of less than a quarter of an hour; this is the standard to beat in colour processing kits.

C-41 for MiniLabs

We now stock Bellini C-41 colour chemicals, needed in bulk, for use with Fuji MiniLab processing machines.

The chemicals in the range are:

27498: C41 Single-Part Colour Developer 20l (4x5 litres)

27499: C41 Bleach RA Process, Ready to Use, 2x 5 litres

27500: C41 Fixer RA Replenisher, 20l (2 x 10 litres)

27503: C41 Starter Bleach, 2 litres

27504: C41 Starter Developer, 1 litre

Take Anywhere C41 Powder Kit

If you can process your black and white film, you can quickly process your colour film with this kit from CineStill.

You can use their two-bath, powder-processing kit at various temperatures with the same equipment you already use to process your black and white film at home. You don't need a darkroom or automated processor, meaning you can process anywhere and achieve excellent results.

It contains reusable Developer and Blix for up to 24 rolls of film. All you need is water, a thermometer and any simple tank and reel system!

We particularly recommend it for use with the new Lab-Box from Ars Imago.

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

CineStill CS Temperature Control System

The CineStill Temperature Control System TCS-1000 immersion circulator/thermostat is a great idea and a simple solution for developing your colour negative or slide films at home.

This system allows you to mix your chemistry efficiently, heat it to the precise processing temperature, and maintain it during the entire developing session.

Finally, you can semi-automate mixing concentrates and powder chemicals, heating them to the precise processing temperature and maintaining the desired temperature during the entire developing session.

It holds two 1000ml. Storage bottles (collapsible accordion style, wide-mouth, Jobo, etc.) in your desired sink, tub, or basin at the desired temperature. The intuitive interface presents the control to standard C-41 processing and quickly adjusts temperature and timers for any process.

With the TCS-1000, you can easily mix and heat chemistry in a 1000ml mixing Jug in seconds, without spills or additional oxidation, while reheating chemistry preserved in the fridge for a longer shelf life.

Novatronic Water Heater

The Novatronic Water Heater is a cheaper alternative to CineStill. Because it sticks to the inside of a developing dish, it can be used as a water bath for preheating any developing tank. It is accurate to +/- 0.2 degrees C in its 0-42 degree range.

COLOUR FILM C41 AND ECN2 CHEMICALS

Code	Brand	Product	Description	Ex VAT	Inc VAT
27484	Bellini	C-41 Kit, MonoPart, 1 litre	Easy to use processing kit, processes 14 films	35.83	43.00
27495	Bellini	ECN2 Kit, 1 litre	Processing kit designed for motion pictures that require the Motion ECN2 process.	23.33	27.99
27498	Bellini	C41 Single-Part Colour Developer 20l (4x5 litres)	Designed for Fuji MiniLab use	51.66	61.99
27499	Bellini	C41 Bleach RA Process, Ready to Use, 2x 5 litres	Designed for Fuji MiniLab use	139.17	167.00
27500	Bellini	C41 Fixer RA Replenisher, 20l (2 x 10 litres)	Designed for Fuji MiniLab use	43.33	51.99
27503	Bellini	C41 Starter Bleach, 2 litres	Designed for Fuji MiniLab use	21.67	26.00
27504	Bellini	C41 Starter Developer, 1 litre	Designed for Fuji MiniLab use	11.67	14.00
21024	CineStill	Cs41 Color Simplified Kit Powder	Two bath C41 kit you can take anywhere with flexible processing times	29.16	34.99
27497	CineStill	Cn2 ECN-2 Kit, 2-bath, 1 litre	Powder processing kit designed for motion pictures that require the Motion ECN2 process.	29.99	35.99
41173	Rollei	Colorchem C-41 Kit, 1 litre	2 baths, liquid, develops up to 16 films	30.83	36.99
21023	CineStill	CS Temperature Control System TCS-1000	Easily mix and heat your chemistry, C41, ECN2 or E6	87.49	104.99
21026	Nova	Water Heater, Novatronic	Sticks to inside of dish, for preheating any developing tank	45.79	54.95

COLOUR FILM E6 CHEMICALS

Code	Brand	Product	Description	Ex VAT	Inc VAT
27483	Bellini	E6 Kit, Six Bath, 1 litre	Slide processing slide kit, processes 8 films	30.00	36.00
27494	Bellini	E6 Kit, Six Bath, 5 litre	Professional processing slide kit, processes up to 50 films	113.33	136.00
41172	Foma	Reversal Kit for Black & White Slide Film	Complete reversal processing kit for slide-developement of 8 Fomapan 100 R 135/36 films or other B/W negative slide films.	32.49	38.99

Bellini E6 One Litre Kit

This top-quality, excellent-value kit is unique. It is the only small-volume E6 Kit you can buy (processes eight films) that still uses the "traditional" six-bath process.

It makes one litre of each solution: First Developer, Reversal bath, Colour Developer, Pre-beach, Bleach, Fixer and 10 litres of Stabilizer.

It is probably the best E6 kit we sell. Although the six baths are double those from Tetenal, it's very straightforward in the processing method (albeit you should add around one minute to the First Developer time if you're processing Fuji slide films).

It's also easy to process without a film processor and takes 45 minutes from beginning to end.

Bellini E6 Five Litres Kit

Using a "traditional" six-bath process, this professional kit will process up to 50 films. It is designed to make one litre of each solution: First Developer, Reversal bath, Colour Developer, Pre-beach, Bleach, Fixer and 10 litres of Stabilizer.

Having tested the kit, we can confirm it is probably the best E6 kit we sell, it's very straightforward in the processing method (albeit you should add around one minute to the First Developer time if you're processing Fuji slide films).

It's also easy to process without a film processor (even though you need to maintain 38 degrees C for the first five steps, and it takes 45 minutes from beginning to end.

Foma Reversal Kit

Foma's complete reversal processing kit allows for developing eight Fomapan 100 R 135/36 films or other B/W negative films (to use as a slide film). Unlike the normal B/W negative developing process, the exposed silver in the image remains clear, and the unexposed areas turn black. To do this, the exposed silver areas are developed and washed away, and the remaining unexposed silver areas are then exposed (second exposure) and once again developed, then finally fixed. In this way, you get a slide with perfect grey tones.

FILM CLEANING

Storage for film photography can always be an issue if you're an active photographer. Film negatives are susceptible to dust or mould if not properly stored. It would be best to always store negatives in acid-free sleeves and archival binders or boxes at room temperature to prevent potential damage. But things happen, and you might come across negatives that you must clean. Luckily, you can fix most common problems, such as dirty, musty, or mouldy negatives.

Dirty negatives can generally be fixed with a simple can of air. Alternatively, you can use a microfibre cloth to wipe a negative clean. As negatives can be rewashed repeatedly, washing the negatives in water at room temperature can also solve most issues. If you rewash the negative, then it is highly recommended that you use a Photo-Flo solution for B&W film or the appropriate stabiliser for colour films. The negative should be hung to dry in a dust-free environment, just like when it is developed and hung to dry.

If these basic cleaning methods fail, you could try using a film cleaner such as Pec 12, the only archival film cleaner on the market. If using a film cleaner, you should try it on an unimportant negative to test it before applying it to one you hope to keep, just in case. Please note that any liquid added to the negative will make the emulsion more susceptible to scratching, so always be careful.

When attempting to clean slide film, removing the film from the cardboard mount is recommended to effectively clean the entire surface of the film. Note that this will require you to have replacement mounts on hand (which we sell), allowing you to transfer the film from an older, possibly dirty one to a fresh, new one.

With thanks to www.guidetofilmphotography.com for providing the above recommendations.

Kenro Air Duster

Kenro's new professional air duster is eco-friendly and can clean film and reach those difficult areas under a camera or enlarging lens. Kenro also makes refills available, and a different attachment turns their air into a vacuum when blowing dust is impractical.

Antistatic Cloths

Calotherm or Tetenal Microfibre cloths, when used in conjunction with Fotospeed or PEC-12 film cleaner, are recommended for removing fingerprints, grease and static build-up from your photographic film.

All microfibre cloths can be washed, guaranteeing a long cleaning life once purchased.
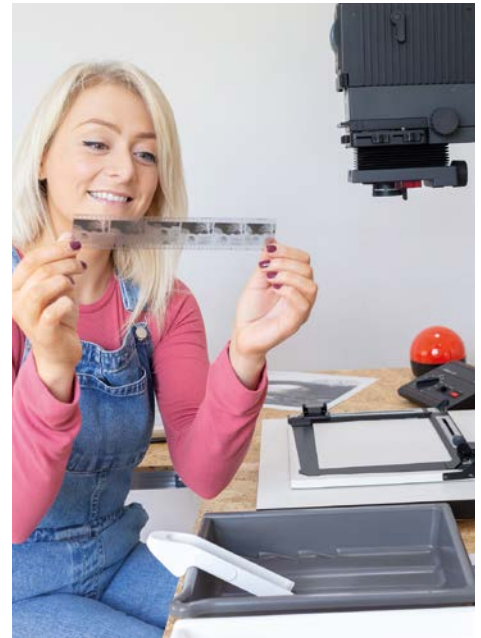
Fotospeed FC50 Film Cleaner

Fotospeed FC50 is a liquid film cleaner suitable for all emulsions. It will remove greasy finger marks, leaving the film free of dust and less likely to attract dust. Apply with an anti-static soft cloth and allow to dry for 30 seconds. Supplied in a 125ml can. We suggest this low-cost film cleaner as an alternative to PEC-12, which works equally well.

PEC-12 Film Cleaner

Not only does PEC-12 routinely save many of your most valuable images, but it is the ONLY archival cleaner available. PEC-12 is a non-water-based photographic film and print cleaner that removes virtually all non-water-based stains from colour and B&W slides, negatives, and prints.

PEC-12 also can remove grease, pencil, adhesive residue, finger oils, ball-point pen, fungus, smoke & soot damage, laser separation oil and most permanent inks. Without water, PEC-12 dries instantly without emulsion swelling and leaving no residue.

The 2 oz (59ml) bottle contains a dropper that enables a precise application to the minor emulsion surface, dispensing with waste that often occurs when using a spray applicator.

COLOUR FILM C41 AND ECN2 CHEMICALS

Code	Brand	Product	Description	Ex VAT	Inc VAT
19139	Calotherm	Anti-static Cleaning Cloth, Calocloth, Microfibre	For all lenses, washable, 8x6in	2.49	2.99
25023	Dust-Off	Aerosol, Dust-Off Classic Refill	300ml air can that goes with chrome valve	8.74	10.49
25025	Dust-Off	Aerosol, Dust-Off Plus Refill	300ml air that goes with multi-directional plastic valve	8.74	10.49
25026	Dust-Off	Monitor Wipes	80 wipes, antisatsic and smear free	6.41	7.69
25027	Dust-Off	Duster XL, 300ml	Great value can of air	7.49	8.99
19123	Fotospeed	FC50 Film Cleaner Liquid, 125ml	Removes grease and fingerprints from all film emulsions	8.33	9.99
25869	Giottos	Lens Cleaning Blower, Rocket Air 1900	The ultimate blower brush alternative	10.83	12.99
25080	Hama	Anti-static Cleaning Cloth, 5904, Microfibre	6 x 6in in protective box	3.58	4.29
26163	Hama	Anti-static Universal Cleaning Cloth	Size 20 x 20cm	3.58	4.29
25037	Kaiser	Gloves, Lint Free, Size L, 1 pair, K6365	Non static, single pair large size (12)	6.49	7.79
25081	Kaiser	Lens Cleaning Blower Brush, Wide Negative	With 1in wide brush	11.66	13.99
25065	Kenro	Aerosol, Dust-Vac	Converts any Kenro or Jessops air cans to become a vacuum	7.91	9.49
25070	Kenro	Aerosol Kenair Master Kit, 360ml	Can of air and valve	27.49	32.99
25071	Kenro	Aerosol Replacement Refill, 360ml		16.66	19.99
64002	PEC	12 Photographic Film Cleaner, 2 oz bottle	Cleans your film of grease, pencil, ball-point pen & mildew marks	14.16	16.99
19130	Tetenal	Anti-static Spray, 400ml	Removes static build-up	14.58	17.49
19133	Tetenal	Anti-static Cleaning Cloth, Microfibre, Optical	For all lenses, washable, 8x10in	5.83	6.99
19142	Tetenal	Anti-static Cleaning Cloth, Premium	11.5 x 12in	5.83	6.99

Film
Film Chemicals
Film Cleaning
Film Storage
Film Scanners
Film Developing Tanks
Film Processing Accessories
Film Washing and Drying
Slide Viewers and Accessories
INDEX

FILM STORAGE

Once a picture has been taken on film, it is advisable to find a safe manner of filing the negatives or slides. Not only is it a good idea to logically lay out your collections for printing and sharing purposes, but you often find that your films will get scratched or marked without correct storage. Protect all your negatives and slides in film-safe sleeves. Archival sleeves are best because the emulsions will not degrade over a period during storage.

There are two types that we sell. The oldest form is acid-free paper sleeves from Kenro and MACO or clear polypropylene sleeves from ClearFile. Sold in the form of pages, they all fit the ClearFile four-ring binders, which are ideal for storing and filing. The ClearFile ones can be used directly when making contact proof sheets, and a file with pages of sleeved negatives and corresponding contact sheets is an excellent filing system that we recommend for most students and analogue photographers.

ClearFile Archival Plus Negative Storage

ClearFile Archival Plus Negative pages are our best-selling brand. Clearfile makes them from a specially formulated polypropylene to safely protect your valuable 35mm negatives. Archival Plus Negative pages feature incredible crystal clear clarity and are manufactured in a more substantial thickness than flimsier alternatives, resulting in improved durability.

ClearFile Archival pages feature "rip-resistant" seals. This stitched sealing method allows each seal to work independently to resist tearing, unlike straight-line seals that continue to separate once the rip begins. A stitched seal also provides excellent airflow between pockets to protect against ferrotyping, moisture and mildew. Most pages have new pan-European/US 7-ring holes and fit standard 4-ring binders.

All ClearFile negative pages offer:
• High Clarity 4 mil Polypropylene
• Archival Safe
• Acid-Free
• No PVC
• PAT Passed
• 25 or 100 per pack

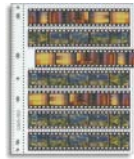All ClearFile Negative Pages are just £10.99 inc VAT for 25 sheets

10B Page
Holds forty 35mm negatives, ten strips of 4 frames. Only fits oversized ring binders like the Luxury range

11B Page
Holds twenty-four 35mm negatives, six strips of 4 frames

12B Page
Holds thirty-five 35mm negatives, seven strips of 5 frames

13B Page
Holds thirty-six 35mm negatives, six strips of 6 frames

14B Page
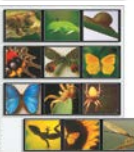Holds forty-two 35mm negatives, seven strips of 6 frames

15B Page
Holds twelve 6 x 6cm frames of 120 film, three strips vertically, top loading

16B Page
Holds twelve 6 x 6cm frames of 120 film, four strips horizontally

17B Page
Holds twelve 6 x 7cm frames of 120 film, four strips horizontally

34B Page
Holds four 4 x 5-inch negatives or transparencies of 120 film

MACO Paper Negative Storage

An economical and practical method of storing negatives and contact proof pages is to buy a paper (glassine) type of storage sheet.

Our offerings from MACO are almost 1/3 of the price compared to our brand-leading Kenro range.

They make their negative sleeves from finely ground pulp paper, which is mainly greaseproof but has a low wet strength. A unique mechanical treatment called calendaring achieves a high level of transparency. Acid- and lignin-free, they are suitable for long-term negative storage.

Each pack, in the four available sizes, come in money-saving packs of 100 sheets.
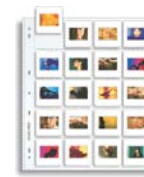
ClearFile Archival Plus Slide Pages

ClearFile makes its Archival Plus storage pages from specially formulated polypropylene for the safe, long-term protection of your valuable photographic slides. Their Archival Plus Slide pages feature incredible crystal clear clarity, making them more substantial in thickness than flimsier alternatives, resulting in improved durability and presentation.
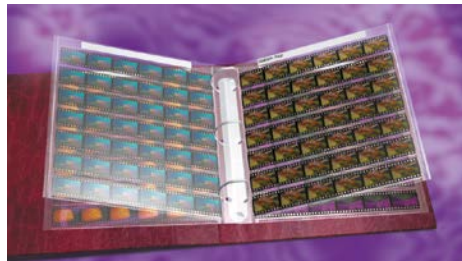
When used with filing bars from Kenro, the 22B, you can hang them in any standard A4 filing cabinet. Metal filing bars are available. Of course, if you want to store your pages in ring binders, they fit all US 7-ring holes and European standard 4-ring binders.

All ClearFile slide pages offer:
• High Clarity 6 mil Polypropylene • Archival Safe • Acid-Free • No PVC •
• PAT Passed • 25 or 100 per pack •

Kenro Paper Negative Storage

Kenro manufactures these paper-negative storage pages from Acid-Free Translucent Paper – Pergamon. Each page in 35mm or 120 formats holds seven strips of 6 full-frame 35mm negatives or 12 medium format types. The pages are side-loaded, and the strip positions are overprinted to help with quick loading. The binding is multi-punched and is compatible with most types of ring binders. We recommend either the Kenro Photo Storage binder or ClearFile binders, which are 'oversized' A4, and they are designed for use with these pages with the extra width required.

21B Page
Top Loading holds twenty 35mm Mounted Transparencies

22B Page
Side Loading holds twenty slides that can be used in a filing cabinet
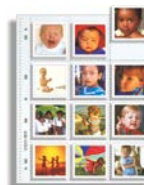
23B Page
Top-Loading holds twelve 120mm, Unmounted Transparencies

AP Slide Storage Case

This inexpensive case holds your slides in five columns with up to 40 in each tray. You can break up these groups with fifteen dividers that can be inserted at any point in the case's trays.

AP no longer prints the index card shown in the picture in the pack, but it's a simple job to print your own if needed.

SLIDE AND NEGATIVE STORAGE

Code	Brand	Product	Description	Ex VAT	Inc VAT
25252	AP	Projector Slide Storage Case - holds 200	Plastic with clear lid; 200 slides in compartments	8.33	9.99
43010	Clearfile	10B Negative Pages 35mm Archival Plus, 25 Pk	Holds forty 35mm negatives, 10 strips of 4 frames	9.16	10.99
43011	Clearfile	11B Negative Pages 35mm Archival Plus, 25 Pack	Holds twenty four 35mm negatives, 6 strips of 4 frames	9.16	10.99
43012	Clearfile	12B Negative Pages 35mm Archival Plus, 25 Pack	Holds thirty five 35mm negatives, 7 strips of 5 frames	9.16	10.99
43013	Clearfile	13B Negative Pages 35mm Archival Plus, 25 Pack	Holds thirty six 35mm negatives, 6 strips of 6 frames	9.16	10.99
43014	Clearfile	14B Negative Pages 35mm Archival Plus, 25 Pack	Holds forty two 35mm negatives, 7 strips of 6 frames	9.16	10.99
43019	Clearfile	14B Negative Pages 35mm Archival Plus, 100 Pack	Holds forty two 35mm negatives, 7 strips of 6 frames	24.99	29.99
43015	Clearfile	15B Negative Pages 6x6cm Archival Plus, 25 Pack	Holds twelve 6 x 6cm frames of 120 film, 3 strips vertically, top loading	9.16	10.99
43016	Clearfile	16B Negative Pages 6x6cm Archival Plus, 25 Pack	Holds twelve 6 x 6cm frames of 120 film, 4 strips horizontally	9.16	10.99
43031	Clearfile	16B Negative Pages 6x6cm Archival Plus, 100 Pack	Holds twelve 6 x 6cm frames of 120 film, 4 strips horizontally	24.99	29.99
43017	Clearfile	17B Negative Pages 6x7cm Archival Plus, 25 Pack	Holds twelve 6 x 7cm frames of 120 film, 4 strips horizontally	5.83	6.99
43030	Clearfile	17B Negative Pages 6x7cm Archival Plus, 100 Pack	Holds twelve 6 x 7cm frames of 120 film, 4 strips horizontally	24.99	29.99
43018	Clearfile	34B Negative Pages 4x5in Archival Plus (25)	Holds four 4 x 5 inch negatives or transparancies of 120 film	9.16	10.99
43021	Clearfile	21B Slide Pages 35mm Archival Plus, 25 Pack	Top Loading, holds twenty 35mm Mounted Transparencies	9.16	10.99
43022	Clearfile	22B Slide Pages 35mm Archival Plus, 25 Pack	Side Loading, holds 20 slides, can be used in filing cabinet	9.16	10.99
43023	Clearfile	23B Slide Pages 6x6cm Archival Plus, 25 Pack	12 top-loading, 120mm, 25s, unmounted	9.16	10.99
25213	Kenro	Negtve Pages, Print Thru Acetate, 35mm, 25 sheets	Transparent, 6 frame strips, 7 strips per page	13.25	15.90
25214	Kenro	Negtve Pages, Print Thru Acetate, 6 x 6cm, 25 sheets	Fits one roll of 120 film, 6x6, 6x7, 6x4.5 or 6x9 cm	13.25	15.90
26449	Kenro	Negative Pages, Paper, 35mm, 25 sheets	Translucent, 6 frame strips, 7 strips per page	6.08	7.29
26452	Kenro	Negative Pages, Paper, 6 x 6cm, 25 sheets	Holds a complete roll of 120 film, 6x6, 6x7, 6x4.5 or 6x9 cm	6.08	7.29
43081	Kenro	Filing Cabinet Bars, A4, Metal, Pack of 10	10 bars for 22B	6.67	8.00
26427	MACO	Negtve Pages, Paper (glassine), 35mm, 100 sheets	Translucent, 6 frame strips, 7 strips per page	18.33	22.00
26428	MACO	Negative Pages, Paper (glassine), 6 x 6 or 6 x 7cm, 100 sheets	Translucent, 3 frame strips, 4 strips per page	18.33	22.00
26429	MACO	Negtv Pages, Paper (glassine), 4 x 5", 100 sheets	Translucent, 4 negatives per page	38.33	45.99
26430	MACO	Negtve Pages, Paper (glassine), 8 x 10", 100 sheets	Translucent, 1 negative per page	20.24	24.29

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Binders for film storage

Clearfile Padded Storage Sheet Binders

ClearFile's padded 11 x 13-inch 4-ring file is an oversized A4 binder that fuses luxury with functionality, holding prints, slides, and negatives together stylishly. Using a 4-ring binder, your storage system is entirely flexible, allowing you to move pages from album to album and around at will. So, even if your requirements are modest, to begin with, you can have the confidence of knowing that the system will grow with you and your photography.

This "leather-look" range covers ClearFile and other negative, slide, or print storage brands. They are available in three traditional colours with gold foil embossing and a D-ring design that helps the pages stack evenly and neatly. Each file will hold approximately 50-75 sheets and costs only £10.99 inc VAT– in black, blue or maroon.

Clearfile Ultimate Portfolio Archive Storage Box

Clearfile's Ultimate Archival Portfolio Box Binder has three (international use) 2.5-inch D-rings to accommodate oversized and standard-sized negative, slide, print and album pages, and even CD.DVD storage pages.

They make the box exterior from 0.098 heavyweight book-binder board and black buckram-textured acrylic-coated book cloth. It is even lined on the inside with white acid- and lignin-free buffered cardstock, which makes it the ultimate long-time storage box for all your analogue and digital materials. Three inches deep, with a V-cut in the lid for easy opening, it will hold 125 negatives, 85 prints, 45 slides or 25 CD/DVD pages.

- Portfolio box and D-ring album all-in-one
- White acid-free and lignin-free buffered cardstock interior lining
- 098 heavyweight bookbinder board
- Black buckram exterior
- Neutral Ph adhesives a lignin-free box construction
- Ph 8.0 to 9.0
- Passes PAT - completely archival
- 3-inch depth
- 2-1/2 inch silver D-rings
- Dimensions: 12-1/4 W x 13-5/8 H x 3 D inches

Binders for Film Storage

Keeping your pages stored logically is the perfect way to find negatives or slides when you want to print or view them. We offer two sorts of binders – budget or luxury.

The ClearFile Standard Binder is our best seller at only £8.99. This black budget binder has four rings and is suitable for all negative, print or slide pages from ClearFile. Although not supplied, each binder will hold four packs of 25 negative pages or 2/3 packs of the equivalent slide or print versions. They are also a real low-cost option for the student photographer.

Beseler Besfile Storage Box

Beseler's fully enclosed archival box and binder is a cheaper alternative to the Clearfile one, but it will also store your slides, negatives, CD/DVDs, and print pages with the secure knowledge that they will stay clean and safe.

Beseler makes these sleek boxes from solid archival quality polypropylene that are acid-free and contain no PVC to degrade your images. They will hold most PRINT pages from Clearfile and Printfile and include three rings that store European or US-designed sheets.

The 2-inch box has snap-tight latches to keep dirt, dust and moisture out and will hold 50 pages of negatives or prints or 25 pages for just slides (that's 500 slides).

The flexible spine creases and general design enable unimpeded access and manipulation of pages on and off the rings, and the rings are partially straight on one side, which allows pages to lay better and turn better without crunching or extra strain on slides near the spine.

- Safely preserve your slides photographs, slides and negatives in these virtually dust and waterproof binders
- Grey with 1inch metal rings
- Dimensions Outside: 12-1/8 x 10-5/8 x 2" (30.4 x 26.7 x 5cm)
- Dimensions Inside: 11.75 x 10.25 x 1-7/8" (29 x 26 x 5cm)

Being so inexpensive, we recommend that every student should have one to store their portfolio of negatives and prints.

Please note: NOT suitable for use with any Kenro or MACO negative storage pages. In the Clearfile range, 12B for 35mm, 15B for 120, 34B for 4x5 in the negative range, and Clearfile 21B for slide users are all suitable.

BINDERS AND BOXES

Code	Brand	Product	Description	Ex VAT	Inc VAT
26143	Beseler	Besfile Archival Storage Binder Box (Black)	Black, with 3 rings to store negs, slide, CD or print pages	20.83	24.99
26144	Beseler	Besfile Archival Storage Binder Box (Grey)	Grey, with 3 rings to store negs, slide, CD or print pages	20.83	24.99
43085	Clearfile	Storage Sheet Binder 4 Ring, 85, Blue padded	Takes all sheets	12.49	14.99
43088	Clearfile	Storage Sheet Binder 4 Ring, 84 Black non-padded	Budget binder that takes all sheets	7.49	8.99
43089	Clearfile	Ultimate Portfolio Archive Storage Box, 3 Ring, Black	The log term storage soltion for any analogue photographer	45.83	54.99
17006	Kenro	Storage Sheet Binder 4 Ring, Black	Holds 30 pages	12.49	14.99
17007	Kenro	Slipcase and Ringbinder, 4 Ring, Black	Holds 30 pages	18.25	21.9

FILM SCANNERS

If you're a film user, there is a reason to buy a standalone film scanner rather than just a print scanner that will also digitise film. In a word, it is – quality. Film scanners work at a much higher scan resolution and consequently take longer to scan each image (this can be a negative). Also, they tend to be more expensive than their photo counterparts.

Reflecta x66 Scan Film Scanner

The Reflecta x66-Scan multi-format scanner enables high-quality digitisation of various film formats from the different epochs of photography with just one device. In addition to the popular 35mm slides and negatives, you can scan most medium format films such as 4x4 cm (type 127) and 120 from 6x4.5 cm to 6x9 cm.

With an optionally available holder, the X66 can also save Instamatic film type 126 into the digital age. The scanner has a brilliant display with a diagonal of 4.3 inches and a large viewing angle, which makes selecting, scanning and displaying images an absolute pleasure.

In addition, it is possible to output the monitor image to, e.g. an LCD TV via the HDMI output.

The x66-Scan digitises an image in less than two seconds with a resolution of up to 22 megapixels and saves it directly as a JPEG file on an SD card. As a stand-alone device, the scanner is entirely independent of computers.

Kenro 4-in-1 Film & Photo Scanner

The Kenro 4-in-1 Photo & Film Scanner converts photos, slides, negatives and business cards to digital images, allowing you to breathe new life into old photos, enhance them, and preserve them for posterity. This versatile unit supports photos 3.5x5, 6x4 or 7x5 inches, standard business cards, 35mm negative or positive film strips, and 35mm slides. The scanner has an interpolated resolution of 8 megapixels (1800dpi) or 16 megapixels (3600dpi), as well as a built-in 2.4-inch LCD screen for previewing images and making simple edits before saving.

This scanner has a small built-in memory but is recommended with an external SD card (not included). You can use the scanner as a standalone device, independently of a PC. After scanning and saving your images, remove the SD card and insert it into your computer. Images can be transferred to Windows computers using the USB 2.0 port (supported: Windows 98, 2000, XP, Vista, 7, 8, 10, 11).

This comprehensive scanner comes with a 2-year limited warranty.

Reflecta Film Scanner for Super 8 and Normal 8

It has never been easier to digitise and save old film treasures with Reflecta's film scanner. Select between Regular 8 and Super 8, load the film into the scanner and start it.

The film is scanned frame by frame at a rate of two images per second and is written as an MP4 video in HD quality directly onto an SD card.

No computer is needed! You can play the digitised film on all smartphones, tablets or PCs. Reflecta Film Scanner Super 8 - Normal 8 can also be connected directly to a TV to playback the movies.

Product Features
Film Type: Super 8 and Regular 8 (maximum reel size 5 inch / 12,7 cm) • Image Sensor: 3.53 Megapixels (2304 x 1536) 1/3″ CMOS • Resolution: 1440 x 1080 p @ 20fps (MP4) • Image Area: adjustable in x-, y- and z-axis • Exposure control: Auto/Manual (-2.0 to 2.0) • Scanning Speed: 2 frames per second - ca. 30 minutes for a reel of 15 meters • External Memory: SD/SDHC cards with up to 32 GB (not included) • Display: 2,4 inch (6,1 cm) LCD • Light Source: LED • PC Interface: USB 2.0 (for data transfer) • TV-Out: NTSC / PAL • Film Format: MP4. *No possibility to capture audio*

Reflecta x33-Scan Film Scanner

This 5-inch screen model uses a high-resolution CMOS 15.3MP sensor to create the digital image at a high resolution of 4608 x 3072 Pixels, making it much faster than its contemporaries. We recommend it as the best value for money/quality output model currently available.

- Two holders – 35mm, 35mm mounted colour slides.
- Record onto an SD card (not included)
- 5-inch screen
- Colour Balance is automatic
- 4608 x 3072-pixel resolution
- Rechargeable battery lasts 2 ½ hours.
- USB2.0 and cable to connect the unit to the TV.

Plustek OpticFilm 8100

The OpticFilm 8100 is a 7200 dpi film scanner, capable of scanning 35 mm slides and negatives, which will turn a 35mm slide into an A1 poster! The optical resolution equates to a 68 million-pixel digital camera.

- 7200 x 7200 dpi, 48-bit colour depth
- Colour CCD
- USB 2.0
- Dynamic range 3.6 D
- 64-bit hardware & software support
- Scan mode single pass
- Slide holder up to 4 slides 35mm filmstrip, holding up to 6 frames
- PC/MAC compatible

SCANNERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26503	Kenro	4-in-1 Film & Photo Scanner	Digitally converts photos, slides, negatives and business cards to digital images – breathe new life into old images	90.83	109.00
24231	Plustek	OpticFilm 8100 Film Scanner	7200 dpi, 48 bit colour depth	290.83	349.00
24232	Plustek	OpticFilm 8200i SE Film Scanner	7200 dpi, 48 bit colour depth, HDRi, Infrared Smart Removal of Defects	315.83	379.00
24233	Plustek	OpticFilm 8200i Ai Film Scanner	7200 dpi, 48 bit colour depth, HDRi, iSRD, Expert Mode, 16bit Histogram	415.83	499.00
24238	Reflecta	x33-Scan Film Scanner	4608 x 3072 pixels, USB 2.0 standalone scanner for 35mm slides and negatives, 5 inch screen	124.17	149.00
24241	Reflecta	x66 Scan Film Scanner	Enables high-quality digitization of various film formats up to 120	190.83	229.00
24239	Reflecta	Film Scanner Super 8 and Normal 8	Scan either format as MP4 video in HD quality directly onto an SD card. *Full description page 26.*	332.5	399.00

Valoi Negative Film Scanners

The **VALOI easy35** is an innovative, compact, and self-contained 35mm film scanning system that features a built-in light source and attaches directly to a macro lens, delivering professional quality scans in a system the size of a water bottle while requiring no copy stand or separate light source. It is modular, compatible with most cameras, and, above all, easy to use!

- Get great film scans at home using your digital camera and macro lens.
- Plug-and-Play Scanning at home
- Scan up to 10x faster than with a flatbed scanner.
- Super compact: Fits in a small camera bag
- Professional-grade film holders for speed and quality
- Built-in professional-grade light source for convenience and consistent quality
- Replaceable light source for a long lifespan
- Excellent materials for a long-lasting product
- Modular holders allow formats smaller than 35mm.
- No copy stand or tripod is required, saving you space and money.

Compatible out of the box with most macro-lenses, including those with filter threads of 39mm, 46mm, 49mm, 52mm, 55mm, 58mm, 62mm, 67mm

Includes:
- VALOI easy35 body with built-in light
- VALOI easy35 Standard 35mm Holder
- VALOI easy35 Distance Tubes: 1x 10mm, 1x 20mm, 5x 40mm (230mm total)
- VALOI filter thread adapters: 39mm, 46mm, 49mm, 52mm, 55mm, 58mm, 67mm (compatible out of the box with lenses with these filter thread adapters - also compatible with 62mm filter threads as this is the native thread size of the easy35)

It does not include the digital camera or macro lens, both required to make final scans.

Compatibility:
Suitable for scanning 35mm film out of the box. The standard holder can be replaced with a variant showing the sprockets of the film. It will be compatible with smaller film sizes like APS, 110 and 126 films.

Most interchangeable-lens digital cameras make excellent scanning cameras. You will need a macro lens capable of focusing to 1:1 magnification to scan 35mm film. Most of those lenses available will be compatible.

We do not recommend using lenses than the following focal lengths:
Full frame: Shorter than 55mm, Longer than 105mm
APS-C: Shorter than 40mm - Longer than 70mm
M4/3: Shorter than 40mm - Longer than 60mm

Longer focal lenses can work, but we cannot guarantee enough included tubes to use the combination. Shorter focal length lenses can cause vignetting.

If you are unsure or want to test yourself, follow THIS guide and check that the distance you found is shorter than 230mm. We recommend using thin cotton gloves while scanning to prevent damage to the film.

Accessories:
The easy35 can mount the easy35 Duster on it and has interchangeable holders.

The Slide Holder replaces the standard holder for the easy35, allowing you to scan 50x50mm standard-mounted 35mm slides.

The 35mm Sprocket holder allows you to scan more of the frame, including the open sprockets of the film.

This product requires an interchangeable-lens digital camera and a macro lens to focus on a 1:1 reproduction ratio.

Valoi says that all system cameras that mount a macro lens work for your camera to comply. Fixed-lens cameras do not work, as none has a true 1:1 macro.

Materials:
The easy35 is a premium product. It is constructed from quality materials because scanning demands precision, and inferior materials do not yield a precision device.

The housing is crafted from Nylon 12, an exceptionally robust plastic that is both rigid and incredibly durable. This material is also ideal for additive manufacturing. It is produced using an additive manufacturing technique known as MJF, enabling the creation of complex shapes. This results in a more robust, lighter, and more compact device.

The tubes, including the part that facilitates tube rotation for rotational adjustment, are made from aluminium and are anodised with a super-matte finish. While this makes the tube somewhat heavy, it ensures it is incredibly rigid. The precise threading enhances the user experience and guarantees that the device aligns perfectly with the sensor. Additionally, the super-matte finish ensures no reflections bounce back onto the film.

Inside, there's a secondary diffuser crafted from a Plexiglas diffuser acrylic designed explicitly for LED diffusion. This ensures no colour shift and promises consistency, with a guarantee against yellowing for 30 years.

Light Source System:
Unlike cheaper solutions, the easy35 has a light system based around a robust and high-quality light source.

- Powerful light output, with shutter speeds typically between 1/40s-1/200s
- CRI 95 is rated for excellent colour reproduction
- Bi-colour LED adjustable to different colour temperatures
- Plexiglas © secondary diffuser designed explicitly for LED diffusion guaranteed for 30 years against yellowing
- 2-3 hour battery life
- USB-C charging
- Chargeable while on for long scanning sessions
- Replaceable light source unit for a long lifetime
- Internal reflector for even light in a small footprint

VALOI easy35 – NEGATIVE FILM SCANNER

Code	Brand	Product	Description	Ex VAT	Inc VAT
12500	Valoi	easy35 Main Kit	The All-in-One High-Quality Film Scanning Solution	165.83	199.00
12502	Valoi	easy35 35mm Duster	Using the easy35 helps remove loose dust on film for cleaner scans.	33.33	39.99
12501	Valoi	easy35 35mm Sprocket Holder	Using the easy35 allows you to scan more of the frame, including the open sprockets of the film.	20.83	24.99
12525	Valoi	easy35 Slide Holder	Replaces the standard holder for the easy35, allowing you to scan 50x50mm standard-mounted 35mm slides	33.33	39.99

Valoi Negative Film Scanners

The **VALOI 360 system** is a highly modular system capable of producing ultra high-end scans in all roll-film formats up to 120/220 medium format. Its modular design allows for a small up-front investment but with lots of possible upgrades, such as a dust brush and roller advance.

This system is perfect for photographers with many different formats to scan and who want the absolute highest quality and, in these challenging financial times, offers excellent value for money.

The Advancer is the heart of the Valoi 360 scanning system. You'll need a Valoi Holder, either the 35mm Holder or 120 Holder - which are not included in this listing. It also requires simple assembly and a small-medium Phillips screwdriver.

With the Advancer, you get a host of new features all set in a sturdy all-steel construction:

- Speed: Scan a roll of 35mm film as quick as in two minutes
- Stability: Sturdy rubber feet and a heavy steel construction keep everything in place
- Levelling: More than 10mm fine threaded adjustment on the feet
- Evenly lit scans: The film is lifted approximately 5cm off the light source to diffuse imperfections on the light
- Multi-format support: With rollers set up to be adjustable for almost any roll film format ever made
- Access to accessories like the Duster

Additional accessories are necessary to produce a final image, including a digital camera, a close-focusing lens, a light source, and a copy stand.

The easy solution and most cost-effective way of buying a Valoi 360 system is to invest in one of their kits. Our best-seller is the Professional Kit. For only £330, you get everything you need for complete scanning.

Includes:
- Advancer
- Light Adapter and Cinestill CS Lite Scanning Light
- 35mm Holder
- 120 Holder
- Duster
- Levelling Mirror
- Film Masks 6x4.5, 6x6 and 6x7

This is the kit you want if you are ready to go all-in on camera scanning. Here, you get almost all Valoi products in one discounted package, plus a great light source. This kit offers a significant discount on the ultimate camera scanning setup.

Additional holders can be added separately, such as a holder for scanning the sprockets on 35mm film.

Advancer
The Valoi Advancer will help you improve speed, stability, levelling, and quality of light and supports all Valoi holders - it will also allow you to use other accessories, like the Valoi Duster.

LightAdapter
This Valoi LightAdapter is a sturdy platform with space for the Cinestill CS-LITE to slot in and then screw in place. Screwing together the light with the LightAdapter and the LightAdapter with the Advancer allows for a super sturdy setup. On the bottom of the LightAdapter, you find levelling feet in rubber that allows fine adjustment in levelling and gripping on the surface.

Cinestill CS-LITE
The Cinestill CS-LITE is the best affordable light source for scanning film. The low cost, high CRI, high light intensity, and three settings optimised for different film types is an unbeatable offer. Best of all, it integrates seamlessly with the Valoi 360 system.

Film Masks
Including the 6x4.5, 6x6, and 6x7 Film masks, this kit gives you all the options when scanning 120 film. The masks help reduce additional light when scanning formats smaller than 6x9 film in the 120 Holder. This improves contrast, which has a dramatic effect on older lenses.

35mm Holder
The Valoi 35mm Holder is made for standard 35mm film with a frame size of about 24x36mm and maximised for flatness and quality. It is compatible with the Advancer but can be used on its own.

120 Holder
The Valoi 360 120 Holder is made for standard 120 film with a frame size up to 6x9, though ideally suited for all smaller formats on 120 film and maximised for flatness and quality. It is compatible with the Advancer but can be used on its own.

Duster
The Valoi Duster is the most popular accessory for the Valoi 360 system. It has an aluminium frame, anodised completely black, with a matte surface to ensure no reflections. In it are two high-quality anti-static brushes with extremely fine bristles to ensure they don't scratch the film.

Levelling Mirror
The levelling mirror is a modest addition to your kit but perhaps one that gives the most significant possible as it allows you to accurately and quickly ensure your film and camera sensor are parallel. This provides square images with even focus across the whole image area and is critical to a good result.

VALOI 360 SYSTEM – NEGATIVE FILM SCANNER

Code	Brand	Product	Description	Ex VAT	Inc VAT
12522	Valoi	360 Professional Scanning Kit	Everything you need for complete scanning	274.99	329.99
12519	Valoi	360 Advancer Scanning Kit	Perfect 35mm Valoi 360 system for those having their light source	166.66	199.99
12520	Valoi	360 Enthusiast Scanning Lighting Kit	Everything you need for 35 mm and 120 scanning, including a budget lighting set, without the need for a Valoi Advancer	124.99	149.99
12505	Valoi	360 Advancer	For digital camera scanning, 35mm film	124.17	149
12524	Valoi	360 Essential Copy Stand v2	Align your camera correctly when film scanning	96.66	115.99
12523	Valoi	360 Starter Scanning Kit	Accessories for 35mm scanning on a budget	55.83	66.99
12514	Valoi	360 Light Adapter for CS-LITE	Plate to adapt the CS-LITE perfectly with a Valoi Advancer	49.99	59.99
12517	Valoi	360 Slide Basket	Increases in efficiency and retains of the slides were fed through	44.16	52.99
12518	Valoi	360 Slide Holder	For scanning mounted slides	36.66	43.99
12506	Valoi	360 35mm Panoramic Holder (with visible sprockets)	For digital camera scanning, 35mm film	33.33	39.99
12507	Valoi	360 35mm Sprocket Scanning Holder	For digital camera scanning, 35mm film	33.33	39.99
12521	Valoi	360 Cinestill CS-Lite	Lighting add-on for a Valoi 360 system and Neg Supply	32.49	38.99
12503	Valoi	360 120 Film Holder	For digital camera scanning 120 medium format film	29.16	34.99
12504	Valoi	360 35mm Film Holder	For digital camera scanning, 35mm film	29.16	34.99
12508	Valoi	360 Duster	For cleaning film before scanning.	29.16	34.99
12516	Valoi	360 120 Scanning Hood	Shades the film from external light when scanning	22.49	26.99
12515	Valoi	360 35mm Scanning Hood	Shades the film from external light when scanning	19.16	22.99
12512	Valoi	360 Holder Plate for Light Adapter	It gives extra security if you want a Valoi 360 scan as clean as possible	11.66	13.99
12509	Valoi	360 Film Mask, 6 x 4.5	For use with Advancer with Holder giving extra security if you want a scan that is as clean as possible	7.49	8.99
12510	Valoi	360 Film Mask, 6 x 6	For use with Advancer with Holder giving extra security if you want a scan that is as clean as possible	7.49	8.99
12511	Valoi	360 Film Mask, 6 x 7	For use with Advancer with Holder giving extra security if you want a scan that is as clean as possible	7.49	8.99
12513	Valoi	360 Levelling Mirror	Precisely see if your scanning system is out of alignment	4.16	4.99

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Negative Supply Professional Film Scanning

Scanning film with a digital camera will revolutionise your workflow, and nobody offers a more professional choice of equipment than Negative Supply.

Why scan with a digital camera?

- Greater dynamic range than flatbed or strip film scanners thanks to modern digital camera technology.

- Far faster operation than flatbed or strip film scanners

- Easy-to-use software options.

- Film is held flatter and scans sharper using Negative Supply film holders.

The four parts to any digital film scanning:

1. A Negative Holder keeps the film in place for image capture. The film needs to be flat for sharp photos.

2. A Light Source to illuminate the negative from below. Consistent light allows for even capture without vignetting.

3. A Copystand which holds the camera over the light source. Reducing shake reduces blur and sharpens the image.

4. A Digital Camera. All can be used, but you can speed up the workflow if it is tethered to a computer, you can speed up the workflow.

The Negative Supply film scanning method utilises a digital camera (mirrorless or DSLR) to photograph rolls, strips or individual negatives or positives. This process allows you to capture frames very quickly and eliminates the need for flatbed or traditional commercial scanners that are either outdated or extremely slow. Once you've taken a photo of your negative, import it onto a computer for conversion using software like FilmLab Desktop or Negative Lab Pro. For positives, you may utilise the file as is.

If you're a digital photographer interested in shooting film, a hybrid photographer looking for a resourceful way to scan your film, or a photographer exclusively shooting film with the desire to quickly and easily scan at home or the office, using a digital camera is a great option.

Negative Supply design, test and build everything they sell in their Californian factory workshop and cover a range of film formats that Valoi doesn't, but unlike Valoi, is not modular. Consider a comprehensive solution like the Negative Supply Enthusiast Kit for 35mm and 120 (#12200).

NEGATIVE SUPPLY – SCANNERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
12183	Negative Supply	35mm Film Scanning Hood (previous Pro Film 35mm hood), NEW	For Basic Film Carrier 35 MK2/Pro Film Carrier 35, reduces glare when scanning	28.33	34.00
12194	Negative Supply	35mm Full Border Cassette (Previously Pro Film Cass), NEW	Scan with full borders (including sprockets) using this cassette for your Basic Film Carrier 35 MK2 and Pro Film Carrier 35!	45.00	54.00
12196	Negative Supply	4 x 5 Light Source Basic MK2 – 97 CRI, NEW	Below scanner light source, 2x stops brighter than MK1	140.83	169.00
12195	Negative Supply	4 x 5 Light Source Basic MK2 – 99 CRI, NEW	Below scanner light source, brighter than MK1	199.17	239.00
12170	Negative Supply	4 x 5 Sheet Film Holder	An easy way that allows a digital camera to capture 4 x 5-inch film	89.17	107.00
12174	Negative Supply	4 x 5 Sheet Film Holder c/w 2 sheets ANR Glass	Professional way that allows a digital camera to capture 4 x 5-inch film	232.50	279.00
12180	Negative Supply	Basic 35mm Mounted Slide Scanning Kit NEW	Easily and quickly capture mounted slides using our Basic Mounted Slide Holder Scanning Kit	82.50	99.00
12197	Negative Supply	Basic 4x5 Sheet Film Scanning Kit for 4x5 Film Scanning NEW	A cost effective and high quality method to scan 4x5 film without the need of our Pro Mount MK2.	115.83	139.00
12198	Negative Supply	Basic Film Carrier 120 MK2 Stabilizing Mask, NEW	Seamlessly connect the Basic Film Carrier 120 MK2 to a Basic Light Source	20.00	24.00
12190	Negative Supply	Basic Film Carrier 120 Scanning Unit MK2, NEW	Scan strips or rolls of 120 film in two minutes or less	132.50	159.00
12193	Negative Supply	Basic Film Carrier 35mm MK2 Stabilizing Mask, NEW	Seamlessly connect the Basic Film Carrier 35 MK2 to a Basic Light Source	20.00	24.00
12184	Negative Supply	Basic Film Carrier 35mm Scanning Unit MK2, NEW	Scan strips or rolls of 35mm film in two minutes or less	74.17	89.00
12187	Negative Supply	Basic Riser Mini MK2, NEW	Basic copy stand for film scanning	157.50	189.00
12179	Negative Supply	Basic Riser MK3 c/w Steel Base, NEW	Metel entry level copy stand for camera scanning	249.17	299.00
12199	Negative Supply	Basic Riser XL, NEW	Bigger brother to the Basic Riser MK3, offers added height, rigidity, and a larger baseboard	374.17	449.00
12202	Negative Supply	Enthusiast Kit for 35mm (with Basic Riser MK3), NEW	Everthing you need from NS for 35mm enthusiast film scanning.	499.17	599.00
12200	Negative Supply	Enthusiast Kit for 35mm and 120 Film Scanning (with Basic Riser MK3), NEW	Everthing you need from NS for enthusiast film scanning.	649.17	779.00
12201	Negative Supply	Enthusiast Plus Kit for 35mm, 120 Film & 4x5 (with Basic Riser XL), NEW	Everthing you need from NS for total enthusiast film scanning.	857.50	1029.00
12171	Negative Supply	Film Carrier 120 Full Border Scanning Guide	Scan your 120 film with borders using this insert for Film Carrier 120	63.33	76.00
12167	Negative Supply	Film Carrier 120 Scanning Unit	Speed up scanning time by capturing entire rolls and advance between frames with a high quality stainless steel drive mechanism	440.83	529.00
12164	Negative Supply	Film Carrier and Pro Mount Accessory Kit	Three accessories in one kit. Mounted slide holder, 4x5 sheet film holder and full border scanning guides	143.33	172.00
12172	Negative Supply	Film Carrier MK1 Full Border Scanning Guides	Scan with full borders (including sprockets) using this insert set for your Film Carrier MK1.	49.17	59.00
12169	Negative Supply	Mounted Slide Holder MK2	Easily and quickly capture mounted slides using your Pro Mount MK2 as a sturdy and secure base!	61.67	74.00
12186	Negative Supply	Pro Film Carrier 35 Scanning Unit	Speed up scanning time by capturing entire rolls and advancing between frames.	374.17	449.00
12188	Negative Supply	Pro Film Carrier 35mm Adapter Plate for Pro Mount MK2	This adapter plate will allow you to mount your Film Carrier MK1 or Film Carrier 35MD to our Pro Mount MK2.Includes hex key	51.67	62.00
12161	Negative Supply	Pro Mount MK2	To partner the MK1 or Pro Film Carrier 35. Stabilizes your workflow and reduces dust. Constructed from metal.	266.67	320.00
12191	Negative Supply	Pro Riser MK3 (replaces the Pro Riser 2)	A Pro Copystand designed specifically for film sanning	565.83	679.00
12163	Negative Supply	Scanning Light Basic In Line Power Switch, NEW	Ilows you to switch your 4x5 Light Source Basic or new Light Source Mini 97 on or off	13.33	16.00
12192	Negative Supply	Scanning Light Source Mini – 97 CRI, NEW	Below scanner light source, side diffusion	199.17	239.00
12166	Negative Supply	Scanning Light Source Pro 4x5, 99 CRI, NEW	Below scanner light source, direct diffusion, ultra high quality output	582.5	699.00

FILM DEVELOPING TANKS

Taking your first steps into developing your film can be daunting. Therefore, it is unsurprising that the major film development tank makers want to simplify things for you by providing you with a kit containing everything (or almost) that'll enable you to process your first black-and-white film with minimal fuss. The payback for them, given these kits are heavily discounted, is that once you commit to their "system", you stick with them for your processing life.

Film Development Starter Kits

Paterson Film Developing Kit

Paterson introduces analogue photographers to their world with this inexpensive kit. Unlike other kits, it contains two 600ml measures, allowing the developer and fixer to be mixed before starting the process. In this new kit, you get:

£62

- Universal Film Tank with 2 Reels
- Two 600ml Graduates
- One 150ml Graduate
- Thermometer
- Film Squeegee
- Set of 2 Film Clips
- Fully illustrated instructions included

AP Darkroom Film and Print Kit

Perfect for beginners - all you need in one box and saves you £30

We have assembled an 'essentials' Darkroom Film and Print Kit for beginners who want to start processing their films and printing their images without choosing the individual items.

It contains all the individual components needed to process black and white (or colour) film and paper prints.

The basics to undertake this task are as follows:

£60

1x Compact Universal Tank and two reels
1x 300ml Measuring Cylinder
1x 500ml Measuring Cylinder
3x 8x10 inch Developing Dishes
1x Film and Print Squeegee
3x Print Tongs
1x Set of 2 Film Clips (one weighted)
1x Stirring Paddle
1x Spirit thermometer

Adox Starter Developing Kit

Adox is our cheapest kit. It contains both the accessories AND chemicals needed to go straight from an unexposed film from your camera to the finished developed negatively in your hands. The kit allows you to process 35mm or medium format (120mm) film.

The kit, although essential, contains the following items:

- A Paterson two-film tank with two spirals
- A thermometer
- An Adox 25 ml Rodinal measuring cylinder
- An Adox 1000 ml measuring jug
- 100 ml of ADONAL film developer

- 100 ml of ADOFIX Fixer
- 50 ml of ADOFLO wetting agent
- An exposed film to practice with the film spooling process
- A comprehensive manual with many images explaining the film development process

You can develop ten films with this kit before reordering any chemistry.

£40

Paterson DeLuxe Film Processing Kit

£70

This co-branded Ilford and Paterson starter kit contains everything* needed to process your first rolls of film. From a developer, stop bath, fixer and wetting agent to the perfect-sized developing tank and measuring cylinders for processing two rolls of 35mm film at a time (or one 120 roll).

The technique to process your film is simple, rewarding, and made even easier thanks to Ilford Simplicity chemicals, premeasured for speed and ease of use. While these chemicals can easily be used in most developing tanks, the measurements were based on this kit's Paterson 2-reel Universal Film Development Tank, making it the ideal pairing.

The kit contains:
1 x Ilford 35mm Film Cassette Opener, 1 x Ilford Simplicity Film Starter Pack (containing developer, stop bath, fixer and wetting agent), 1 x Paterson Universal Film Tank, 2 x Paterson Super System 4 Reels, 3 x Paterson 600ml Graduates, 1 x Paterson Thermometer, 1 x Paterson Stirrer, 2 x Paterson set of 2 film clips

*A darkroom, light-tight space or dark-changing bag will be needed to load the film into the tank.

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film Developing Tanks

Processing your film, mainly black-and-white, is far easier than most people imagine. More importantly, you have complete control over the results, enforcing our view that this is real picture-making.

At a small expense, nearly any roll or sheet film can be processed at a college or home. However, to consistently produce top-quality negatives or transparencies, you must always follow the proper developing procedures.

To begin with, you'll need a Changing Bag and Developing Tank for developing film.

Firstcall Changing Bag

If you use light-sensitive film (or paper) and want to load those materials into a camera or developing tank, sometimes it may not be practical to use a darkroom, like in the field when using pinhole cameras. This is where a changing bag comes into its element. It is a photographic bag designed to be light-proof while in use.

Firstcall Changing Bags use a lightweight black nylon outer bag with an interior bag constructed of rubberised nylon/cotton blend. Double-lined and double-zippered, our changing bags are guaranteed light-tight and are ideal for removing the film from its canister to put it into a developing tank or loading and unloading sheet film holders.

Our recommendation is the larger, 27 x 29-inch version - its extra space allows for more movement when loading film onto a spiral. It only costs £25.19, including VAT.

Paterson 35mm Film Tank

Paterson's Super System are the originator of Daylight Developing Tanks. They are simple to load, faster to fill and more accessible to clean than any other tank. The design includes a large-diameter one-piece lid and funnel that clips into place positively and securely, allowing the tank to be filled and emptied quickly.

The first tank in the system is a 35mm Tank (PTP114) that takes a single 35mm film and comes complete with one auto-load reel.

In use, the agitation of the processing solutions can be done by inversion of the tank using the flexible watertight cap provided or by rotary agitation using the agitation rod also offered. In processing, 300 ml of solution is required for a single 35mm film.

The autoload reels must be fixed onto the centre column to ensure the tank remains light-tight during the processing cycle.

AP Developing Tanks

AP Developing Tanks tanks are so easy to load.

They contain thumb grips on the wide film insert area of the spiral, which is a significant benefit not only to school or college students but also to anyone starting film development for the first time. They are made from unbreakable plastic that is heat-resistant, watertight and opaque to light. In our view, the seal on the light-tight lid is better than an equivalent Paterson one, as the plastic and rubber are moulded together.

The spirals are compatible with all Paterson tanks on the market. This means that even if you do not need a new tank, you can still experience the benefits of this system by purchasing one of the Compact Auto Spirals.

The 35mm version contains one spiral, while the Universal has two spirals in the tank.

Paterson Universal Film Tank

Their Universal Developing Tank is the most popular developing tank in the Paterson Super System range. It takes two 35mm films or a single 120/220 film and is complete with two auto-load reels. To use the reels for 120, you pull the reel apart to make the 6cm gap required.

In use, the agitation of the processing solutions can be done by inversion of the tank using the flexible watertight cap provided or by rotary agitation using the agitation rod also provided. In processing, 300 ml of solution is required for a single 35mm film or 500 ml when processing two films.

All parts are interchangeable, and being Made in the UK means any part can be replaced as a spare part.

Paterson Multi Reel Tanks

These tanks are supplied without reels, so you can build up a system best suited to your needs.

The Paterson Auto-Load reels are slid onto the appropriate centre column supplied with the tank. The reels are designed to grip the centre column, and you can use any number from one reel up to the tank maximum.

Care should be taken when inverse agitation is used with less than a whole load of film and chemistry, as it can lead to over-vigorous agitation of the chemistry.

The Multi-reel 3:
Takes up to three 35mm films or two 120/220 films. (PTP116)

The Multi-reel 5:
Takes up to five 35mm films of 3 120/220 films. (PTP117)

The Multi-reel 8:
Takes up to eight 35mm films or five 120/220 films. (PTP118)

Jobo 1500 Developing Tanks

The 1500 series tanks are modular in design, so as your requirements grow, you can add modules to your original purchase to increase capacity. The adjustable 1501 reel holds one 35mm or two 120s or 220 film. You get two rolls to a reel by loading "back to back".

The tanks 1510, 1520 and 1540 each include one adjustable reel (1501). All Jobo tanks and drums are made of durable and flexible polypropylene plastic (they don't break easily) to provide a long and functional life.

If you have a Jobo CPE-2/3, CPA-2 or CPP-2/3 processing machine, you can still use 1500 tanks with a magnet or cog access. A magnet (1504) is required to attach the tank to a standard machine, or a cog is needed (1505) if using a Jobo Lift. Magnets and cogs are available to purchase as optional extra items (1504 or 1505).

Jobo 2500 Developing Tanks

The 2500 Series tanks and reels are more prominent in diameter than the 1500 system, allowing more chemicals to flow across the material. The 2502 and 2509N reels have triangular points along the spirals, which lift the film off the reel, creating more room between the film edges and the reel. This feature eliminates development streaks along the edges of your valuable film – particularly 120/220. We, therefore, consider them to be our Professional Series

Suitable for inversion or rotation, you can use them with the previous Jobo film processors using the same magnets or cogs as in the 1500 series (1504 or 1505).

The 2540 is designed for just one 35mm film, while the more functional 2520 model can hold one or two 35mm or one or two 120 films. It is also possible to process up to 6 6x9 cm or (up to) 6 9x12 cm or (up to) 6 4x5 inch sheet films using this larger tank.

Both can also be used for rotation agitation on a Jobo Roller item 1509 but come without a reel. For reels, you need either 2502 or 2509n.

Jobo 3000 Expert Developing Tanks

We recommend the 3000 series Expert range of tanks for large format sheet film development.

This is the series for you if you're a large format photographer using either 5 x 4-inch or 8 x 10-inch sheet film. These tanks are hand-made in the German factory, but it doesn't matter what development system you're contemplating; hand processing, rotary processing, hanger processing, or any other method -- using the Expert Drums will yield beautifully even edge-to-edge development.

The Expert Drums fit on the Jobo CPA-2, CPP-2 and 3, and ATL-2000 (they don't fit in the CPE-2/3 or ATL-1500).

A good tip is to use the optional 3360-foot pump. It lets you remove the drum lids after processing efficiently.

3005 Tank
5 sheets of 5 x 7 inch or 8 x 10-inch film or paper
Chemicals required: Minimum 270 ml / Maximum 1500 ml

3010 Tank
10 sheets of 4 x 5-inch film or paper
Chemicals required: Minimum 210 ml / Maximum 1000 ml

Eco-friendly Stainless Steel Tanks and accessories

Our range of stainless steel developing tanks, reels, loaders, film clips, and print tongs should help reduce plastic.

We sell developing tanks from Samigon, fantastic reels and loaders made in the UK by Hewes, clips, and print tongs we import from Asia. If you want to see the full range, type the word "stainless" into the search bar on our website. We are the only UK company working along these lines, and we hope you'll endorse this new direction.

Hewes is particularly worth a mention. The reels and loaders are of excellent quality, and they even make a core adapter for the loaders so that you can easily use your Paterson or Jobo reels with their products. Both 35mm and 120 film formats are covered in this range.

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Ars-Imago Lab-Box Daylight Film Developing Tank

Never before has it been this easy to process your films if you use this multi-format, daylight-loading film development tank.

Most analogue photographers have two options for processing the film they shoot - develop the rolls yourself or take them to your local lab. Until now, being away from home, without a darkroom or a changing bag, has meant extreme difficulty in developing a film. With Lab-Box from Ars-Imago, you can process 35mm or 120 films from start to end in full daylight, dispensing with a darkroom need.

Lab-Box is the most comfortable and quickest tool to develop your films in full daylight, anywhere and anytime, bypassing the need to load the rolls in the dark. It is a multi-format tank that allows film development from start to end, thanks to the two interchangeable modules and its multi-format reel enabling the processing of 135 mm and 120 mm films.

It is universal and modular: with one tank, it is possible to develop both 135 and 120 film rolls by merely switching the loading module. It is also compact and portable: its small size allows easy carrying in a bag or backpack. Film rolls can be loaded and developed in daylight through an intuitive and straightforward process.

Lab-Box is perfectly suitable for beginners and meets the needs of more experienced photographers, offering the possibility to experiment with different developing processes. It is available in two different colours. You can choose between Orange or Black tops with matching charcoal ABS cases.

See our website for more technical details.

Stearman Press – Inexpensive Sheet Film Developing Tanks

The US producer Stearman Press is renowned for its low-cost 5x4 inch developing system. It is the cheapest sheet film tank we sell. It is a great product and loads like a film holder (double dark slide). Just load in a darkroom or changing bag, then process in daylight.

It lets you process up to four sheets of 4x5 film at a time and uses only 16 oz (475ml) of solution during processing. It is daylight-safe and fills and drains very quickly. It uses inversion agitation, stand development or anything in between.

The tank includes built-in liquid level indicators, and you can easily use a thermometer during processing. It's made from rugged ABS plastic and features an industry-standard O-ring seal.

There is also an 8x10 version, too. The Stearman Press SP-810 8x10 Developing Tank System lets the photographer bring large format sheet development out of the darkroom. The tray is quickly loaded in a dark bag or darkroom (no film holders needed!), and when the lid is secured, the tray can be brought out into the light to be processed. With included dividers and tabs, you can configure the processor for 4x5, 4x10, and 5x7.

It is very economical, using only 500ml of chemicals. The SP-810 is supplied with Hold-Down Tabs that keep the film from floating out of the chemicals. You rock/tilt the processor to achieve agitation. The tray bottom is designed with four separate fingertip indents for easy removal when processing is complete.

Paterson Darkroom Film & Print Kit

ONLY
£108

Sometimes, you want to go beyond just processing film but want somebody to give you the essential accessories to invest in your darkroom. This kit from Paterson gives you everything you need to process and print the film.

It contains all the essential equipment for processing. You'll need an enlarger, lens and easel before you can print correctly, but this kit saves you time and money in choosing the necessary accessories.

Contents:
- Universal Developing Tanks and Spiral
- Set of three 8 x 10 trays
- Paterson safelight
- 3 measuring cylinders (600ml, 300ml and 45ml)
- Chemical Mixer
- Thermometer
- Print tongs
- Pair of film clips
- Paterson Film Squeegee

FILM DEVELOPING TANKS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26014	Adox	Starter Developing Kit for Black and White Film	Everything you need to develop your own b/w film	33.33	40.00
12048	AGO	AGO Film Processor	Film processing made easy for all Pateson developing tank users	375.00	450.00
26138	AP	Developing Tank Mini Compact, 35mm	Including one reel, one 35mm film only	8.33	9.99
26139	AP	Developing Tank Compact, Universal	Including 2 reels, 2 x 35mm or 1 x 120 film	20.49	24.59
26140	AP	Developing Tank Reel	For AP Developing Tanks	7.83	9.39
40016	AP	Darkroom Film and Print Kit	All the accessories you need to process and print	50.00	60.00
12031	Ars-Imago	Lab-Box Daylight Developing Tank - Orange	Modular daylight-loading tank that can be used everywhere	141.66	169.99
12038	Ars-Imago	Lab-Box Crank Handle – Orange	For use with Lab-Box as alternative to the hand held turning knob	11.66	13.99
12046	Ars-Imago	Lab-Box Professional Lid	For use with Lab-Box as alternative to the original lid	57.50	69.00
26047	Firstcall	Changing Bag, Small	Nylon, 16 x 17in.	14.91	17.89
26048	Firstcall	Changing Bag, Large	Nylon, 27 x 29in.	20.99	25.19
27019	Hewes	35mm Stainless Steel Developing Reel	Eco-friendly reel process your black and white or colour film	25.83	31.00
27021	Hewes	120 Stainless Steel Developing Reel	Eco-friendly reel process your black and white or colour film	28.33	34.00
27022	Hewes	35mm Stainless Steel Spiral Film Loader	Aligns your film at the right angle making spiral loading quick and accurate	82.50	99.00
27023	Hewes	120 Stainless Steel Spiral Film Loader	Aligns your film at the right angle making spiral loading quick and accurate	87.50	105.00
27024	Hewes	Spiral Film Loader Adaptor 35mm	Insert for your plastic reels so you can use the Hewes Sprial Loader	7.50	9.00
27025	Hewes	Spiral Film Loader Adaptor 120mm	Insert for your plastic reels so you can use the Hewes Sprial Loader	7.50	9.00
12009	Jobo	Developing Tank Cog Lid, 1503	Allows manual and rotary processor use	32.50	39.00
12010	Jobo	Developing Tank 35mm, 1510	Including one reel, one 35mm film only	29.17	35.00
12011	Jobo	Developing Tank Universal, 1520	Including one reel, 2 x 35mm or 2 x 120	35.00	42.00
12012	Jobo	Developing Tank Multi Tank, 1540	Including one reel, 4 x 35mm or 4 x 120	59.17	71.00
12013	Jobo	Developing Tank Module, 1530	Extends capacity, by extra 3 x 35mm or 4 x 120	30.83	37.00
12014	Jobo	Developing Tank Reel, 1501	For all Jobo 1500 series tanks	15.00	18.00
12015	Jobo	Developing Tank Magnetic Base, 1504	For rotary process attaches to end of tank (without lift)	36.67	44.00
12016	Jobo	Developing Tank Cog Kit, Pack of 2, 1505	Needed when lift is used	35.00	42.00
12018	Jobo	Developing Tank Reel, 1502, for 16mm and 110 film	For all Jobo 1500 series tanks	32.50	39.00
12078	Jobo	Developing Tank Sheet Film Loader Base Kit, 2508	4 x 5in sheet film loader for use with 2509 reels, includes 2512 Guide	133.33	160.00
12080	Jobo	Developing Tank Expert Drum, 3006	For 6x 4 x 5 or 5 x 7 sheet film	445.83	535.00
39001	Jobo	Print Processing Tank Roller Base, 1509	Helps roll Jobo film and print tanks in daylight	66.67	80.00
39003	Jobo	Developing Tank Duo Set Reel, 2502	For all 2500 series Jobo tanks	37.50	45.00
39005	Jobo	Developing Tank Reel, 2509N	For 2500 series tanks, holds 6 sheets of 4 x 5in	51.67	62.00
39013	Jobo	Developing Tank Multitank 1, 2540	Inversion tank, supplied without a reel	51.67	62.00
39014	Jobo	Developing Tank Multitank 2, 2520	Inversion tank, supplied without a reel	66.67	80.00
39015	Jobo	Developing Tank Multitank 5, 2550	Inversion tank, supplied without a reel	126.67	152.00
39022	Jobo	Developing Tank Expert Drum, 3005	For 5x 8 x 10 or 5 x 7 sheet film	541.67	650.00
39023	Jobo	Expert Tank Drying Rod Kit, 3008	For Expert 3004/3005 - set of 2 rods	37.50	45.00
39026	Jobo	Developing Tank Expert Drum, 3010	For 10 sheets of 4 x 5 sheet film	467.50	561.00
39027	Jobo	Expert Tank Drying Rod Kit, 3007	For Expert 3006/3010 - set of 2 rods	37.50	45.00
39029	Jobo	Developing Tank Expert Drum Super 8, 3018	Develop your own Super 8 film	854.17	1025.00
39126	Jobo	Lab Kit Small	All the equipment needed to start processing your first 35 mm black & white film	44.99	53.99
39127	Jobo	Lab Kit Medium	All the equipment needed to start processing your first 35mm or 120 black & white film	93.33	112.00
39128	Jobo	Lab Kit Large	All the equipment needed to start processing up to four 35mm or 120 black & white film	148.33	178.00
39130	Jobo	Silverbase Roller Set 93023 for 2500 Series Tanks	Replacement roller set for Silverbase Processor if using the larger 2500 series tanks	16.67	20.00
26052	MOD	Developing Tank, Reel MOD 54	Process up to 6 sheets of 5x4 film, use with Paterson Multi Tank 3	37.08	44.50
26000	Paterson	Centre Column and Agitator 35mm	SPTP114; for 35mm single film tank only	4.83	5.80
26001	Paterson	Centre Column and Agitator Universal Tank	SPTP115; for 35mm/120 twin film tank	5.58	6.69
26002	Paterson	Centre Column and Agitator Multi Tank 3	SPTP116; for Multi Reel 3 film tank	7.50	9.00
26003	Paterson	Agitator for Paterson Tanks (Swizzle Stick)	Fits all System 4 tanks	2.49	2.99
26006	Paterson	Darkroom Film and Print Kit	PTP572; All the accessories you need to process and print	90.16	108.19
26007	Paterson	Deluxe Film Processing Starter Kit	PTP574; All the accessories and chemicals you need to process 2 films	58.33	69.99
26013	Paterson	Film Developing Kit	PTP573; All the accessories you need to process a b/w film	51.83	62.19
26039	Paterson	Developing Tank, 35mm	PTP114; Including one reel, for 35mm film only	20.99	25.19
26040	Paterson	Developing Tank, Universal	PTP115; Including 2 reels to take 2 x 35mm or 1 x 120 film	22.41	26.89
26041	Paterson	Developing Tank Reel	PTP119; For Paterson Developing Tanks	12.08	14.49
26042	Paterson	Developing Tank, Multi Reel 3	PTP116; For 3 x 35mm or 2 x 120 film capacity	23.24	27.89
26043	Paterson	Developing Tank, Multi Reel 5	PTP117; For 5 x 35mm or 3 x 120 film capacity	26.91	32.29
26044	Paterson	Developing Tank, Multi Reel 8	PTP118; For 8 x 35mm or 5 x 120 film capacity	38.99	46.79
27018	Samigon	Stainless Steel Tank without Reel for 1x 35mm Reel	Eco-friendly way to process black and white or colour film	32.50	39.00
27020	Samigon	Stainless Steel Tank without Reel for 2x 35mm or 1x 120 Reel	Eco-friendly way to process black and white or colour film	35.00	42.00
26056	Stearman Press	SP455 4x5 developing tank system	Process up to 4 sheets of 5x4 film, using just 475ml of solution	90.00	108.00
26058	Stearman Press	SP810 8X10 developing tank system	Process up to 1 sheet of 8X10 film, using just 500ml of solution	150.00	180.00
26060	Stearman Press	SP455 4x5 Spare Film Holders (2)	A replacement set of two original film holders for the SP455	20.83	25.00
26061	Stearman Press	SP645 4x5 developing tank system, 6 sheet version	Process up to 6 sheets of 5x4 film, using just 590ml of solution	120.00	144.00

AGO Film Processor – film development made easy

AGO is a revolutionary film processor that brings professional film development to everyone. Unlock the world of analogue photography with ease with AGO, which simplifies the process for black and white, C-41, and E-6 films – all from the comfort of your home.

Bid farewell to the hassles of manual agitation and temperature control. AGO's compact motor, advanced temperature sensor, and intelligent time compensation system handle it all, ensuring perfect results every time. Its sleek, travel-friendly design saves you money and reduces chemical waste by up to 60%.

NEW

Includes:

- AGO film processor
- 2 Reel Development tank, with 2 Reels to take 2 x 35mm or 1 x 120 film (accessories available for other formats – check online)
- Rear stand
- Charging cable
- Adapter for old model Paterson tanks center column
- Documentation

The setup process is straightforward. First, put your film into a Paterson tank in the dark. Next, attach the rear stand to the tank and connect the AGO Film Processor to the tank, funnel holes facing down. At this point, prepare your chemicals and power on the AGO. Using on-device controls and a colour display, AGO lets you access a program menu to select the appropriate process for the film used. The process can be further customised as needed. Once the process is ready, pour in the prepared chemicals and press start. Once the processing is completed, you pour out the chemistry and repeat the process with the same or other chemicals.

The AGO Film Processor is designed with small labs, photographers, and community centres in mind. The product works with full-frame (35mm) film, medium format (120), and large format (4×5).

Its most groundbreaking feature is its time compensation system. You no longer need to maintain the chemical temperature meticulously; you pour the chemicals within the proper temperature range. AGO takes care of the rest by continuously monitoring the temperature and automatically adjusting the processing time, guaranteeing consistently perfect negatives with every use.

For somebody new to processing, this would be an excellent way to take some of the trepidation out of the idea. Knowing you can get consistent results on hot or cold days and use less chemistry while at it gives great peace of mind.

As for more experienced users, the AGO Film Processor removes some chances for photographers to make mistakes. The device is small and light enough to be used anywhere, even in the field, assuming that the ambient temperature is within the suitable range for development.

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

FILM PROCESSING ACCESSORIES

Thermometers and Stirrers

You will need a good thermometer for accurate film (or print) processing.

We sell a spirit thermometer specially made for us in the UK. Mercury thermometers are no longer legal in the U.K., but spirit ones have dual scales and are ideal for black-and-white work.

The spirit thermometer scale is 15-30 degrees C. A similar AP spirit thermometer is also available built-in to a stirring rod, a helpful aid.

Digital thermometers are a distinct alternative to glass thermometers and offer increased accuracy and speed of readout. Our model (19006) ranges from -50 to +200 degrees C and is switchable between Centigrade and Fahrenheit. It has resolutions of 0.1 degrees, a 120MM probe and a maximum/minimum temperature memory button.

If you want to process colour film or prints, we suggest using our digital thermometer because it requires a higher temperature range.

We also sell our angled dish thermometer, and Adox's Dial thermometer copes with black and white or colour work. Their Dial thermometer has the benefit of clipping onto the side of a beaker or developing tank. Both angle and dial thermometers will rest on the cover of your developing dish without the need to hold them - letting you start processing when you reach the exact temperature.

Measuring Graduates and Jugs

You will also need measuring cylinders to process your films (or prints). We strongly suggest you buy three of each measuring cylinder when using chemicals, e.g., one each for the developer, stop bath and fixer, thereby avoiding cross-contamination.

We chose our cylinders and jugs from Paterson and AP because, being specialist suppliers, they understand the working sizes of graduates needed by the darkroom worker. They also use high-quality and durable plastics in the manufacturing process.

Paterson makes all their cylinders, funnels and jugs from the same unbreakable polypropylene. Their plastic jugs are graduated so you can use them as alternative measuring cylinders.

AP and Jobo measuring cylinders make their measurements from more transparent plastic, with AP offering the best value in our graduate range.

The scales of their measures are in both ml and fluid ounces with a pour spout and a stabilised base.

Low-Cost Dial Thermometer

Kood's dial thermometer can be used in the darkroom with a wide range of -10 to 100 degrees Centigrade. Made from stainless steel and maintenance-free, it incorporates a stainless steel clip that helps ensure that the thermometer sits securely on the tray lip (or developing tank rim) and that the scale is level.

The 5-inch (13.5cm) probe length means you can also effortlessly measure the temperature of liquids in a high container like a measuring beaker. But because of the size, it isn't intended for trays that are smaller than 8 x 10 inches.

THERMOMETERS AND STIRRERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26037	Adox	Thermometer, Dial, with 8-inch (200mm) probe	For colour or b & w, luminous with 2.2 inch face	10.63	12.75
14024	AP	Thermometer, Stirrer	Colour/B&W, stir and measure safely	13.83	16.59
19006	Firstcall	Thermometer, Digital, with 4.7 inch (120mm) probe	For colour or b & w	22.49	26.99
26031	Firstcall	Thermometer, Spirit	For b & w only, 9 inches	6.33	7.59
26032	Firstcall	Thermometer, Angled Dish Spirit	For b & w only, 4 inches	10.74	12.89
26145	Kood	Thermometer, Dial with 5-inch probe & clip	For b & w and colour, luminous, 1.8 inch face	7.91	9.49
26112	AP	Chemical Mixer, Set of 2	A pair of stirring rods	5.24	6.29
26113	Paterson	Chemical Mixer, Single	PTP245; Stirring rod	6.66	7.99

MEASURING CYLINDERS AND JUGS

Code	Brand	Product	Description	Ex VAT	Inc VAT
25860	AP	Measuring Cylinder 50ml	Plastic, 1.66oz	3.16	3.79
25247	AP	Measuring Cylinder 100ml	Plastic, 3.5oz	3.66	4.39
25248	AP	Measuring Cylinder 300ml	Plastic, 11oz	5.24	6.29
26025	AP	Measuring Cylinder 650ml	Plastic, 22oz	6.66	7.99
25249	AP	Measuring Cylinder 1000ml	Plastic, 36oz	9.08	10.89
12085	Jobo	Measuring Cylinder Kit, 3308K	Four individual 260ml measures	31.67	38
39049	Jobo	Measuring Cylinder 100ml, 3303	Plastic, measuring increments 5ml	3.33	3.99
25031	Paterson	Measuring Cylinder Funnel, 11cm	PTP306; Plastic, 4.5in	8.16	9.79
26022	Paterson	Measuring Cylinder 45ml	PTP301; Plastic, 1.5oz	6.66	7.99
26023	Paterson	Measuring Cylinder 150ml	PTP302; Plastic, 5.5oz	6.66	7.99
26024	Paterson	Measuring Cylinder 300ml	PTP303; Plastic, 11oz	7.49	8.99
26026	Paterson	Measuring Cylinder 600ml	PTP304; Plastic, 22oz	9.83	11.79
26027	Paterson	Measuring Cylinder 1200ml	PTP305; Plastic, 42oz	11.41	13.69
26028	Paterson	Mixing Jug 1000ml	PTP309; Plastic	10.16	12.19
26029	Paterson	Mixing Jug 2000ml	PTP310; Plastic	14.58	17.49

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Storage Bottles

Dark-coloured storage bottles are best for storing chemicals, particularly developers, because these solutions will deteriorate with light. Do not use plastic bottles unless made for photographic purposes, as some plastics "breathe" air through the membrane, decreasing the chemical's life.

Keep various-sized bottles to minimise oxidisation, and always fill to the brim with added marbles if needed.

AP Zoom accordion chemical storage bottles also keep chemicals fresh. Available in one or two-litre sizes, these bottles differ from standard plastic containers in that you can exclude air from them by compressing them in size and by doing so, you expel the air that remains in the bottle. You can double the chemical life by using this method. In turn, this should mean less wasted developers and greater throughput of film or paper.

Datatainer is the original high-density, brown polyethene storage bottle from Delta. Designed in 1972, these Infrared sterilised, silk-screened in epoxy ink, and Polydome™ liner-less closures are available from Firstcall in three handy sizes. We love them for their memo-writing area, too.

This year, we've doubled our number of glass containers. Remember, bottles and jars have the added advantage of being recyclable, and amber protects against light degradation. These jars are helpful for raw chemical preparations, too.

Timers

Timing each step in processing is necessary, especially when the film is in the developer and for agitation. A wristwatch or a wall clock with a second-hand is okay, but a darkroom timer is a worthwhile investment.

Digital Timers

Processing timer for just £10.99

These LCD timers are built around electronics, and it is relatively easy to include a memory function that allows the storage and repeat of one or several chosen times.

The Jumbo Timer's LCD figures are 34mm / 1" high, which it is beneficial in a large room like a laboratory or darkroom when the distance from the timer can often be a problem. It has all the features you would expect from a modern timer, including count-down with a memory from 99 hours 59 seconds. It includes a clip, a stand, a magnet, and a hook, and the large buttons make it very easy to use.

TIMERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
70010	Firstcall	Clock Timer, Jumbo Display	Counts down with memory, 34mm / 1" figures	9.16	10.99

CHEMICAL STORAGE BOTTLES

Code	Brand	Product	Description	Ex VAT	Inc VAT
39066	AP	Chemical Storage Bottle 1 litre, 3395Z	Air reduction accordian type	5.41	6.49
39067	AP	Chemical Storage Bottle 2 litres, 3396Z	Air reduction accordian type	7.49	8.99
14008	Delta	Chemical Storage Bottle, Datatainer, 900ml	32 oz / 1 quart	9.16	10.99
14009	Delta	Chemical Storage Bottle, Datatainer, 1.8 litres	64 oz / 1/2 gallon	11.66	13.99
14010	Delta	Chemical Storage Bottle, Datatainer, 3.5 litres	128 oz / 1 gallon	14.16	16.99
70020	Firstcall	Chemical Clear Glass Powder Jar, 60ml	38mm black screw top	1.62	1.94
70021	Firstcall	Chemical Clear Glass Powder Jar, 120ml	38mm black screw top	1.74	2.09
70022	Firstcall	Chemical Clear Glass Powder Jar, 175ml	48mm black screw top	2.14	2.57
70023	Firstcall	Chemical Clear Glass Powder Jar, 500ml	58mm black screw top	3.03	3.64
70024	Firstcall	Chemical Winchester Glass Bottle, Clear,30ml	20mm black screw top	1.16	1.39
70025	Firstcall	Chemical Winchester Glass Bottle, Clear,50ml	24mm black screw top	1.52	1.82
70026	Firstcall	Chemical Winchester Glass Bottle, Clear,500ml	31mm black screw top	2.96	3.55
70027	Firstcall	Chemical Amber Glass Powder Jar, 15ml	28mm black screw top	1.41	1.69
70028	Firstcall	Chemical Amber Glass Powder Jar, 30ml	33mm black screw top	1.48	1.78
70029	Firstcall	Chemical Amber Glass Powder Jar, 60ml	38mm black screw top	1.48	1.78
70030	Firstcall	Chemical Amber Glass Powder Jar, 100ml	24mm black screw top	1.78	2.13
70031	Firstcall	Chemical Amber Glass Powder Jar, 240ml	48mm black screw top	2.32	2.78
70033	Firstcall	Chemical Winchester Glass Bottle, Amber,10ml	20mm black screw top	1.29	1.55
70034	Firstcall	Chemical Winchester Glass Bottle, Amber,15ml	20mm black screw top	1.29	1.55
70035	Firstcall	Chemical Winchester Glass Bottle, Amber,25ml	20mm black screw top	1.41	1.69
70036	Firstcall	Chemical Winchester Glass Bottle, Amber,30ml	20mm black screw top	1.41	1.69
70037	Firstcall	Chemical Winchester Glass Bottle, Amber,100ml	24mm black screw top	1.65	1.98
70008	Firstcall	Chemical Winchester Glass Bottle, Brown, 1 litre	Screw top	10.83	12.99
13201	Fotospeed	Chemical Storage Bottle, 1 litre	White	2.85	3.42
13202	Fotospeed	Chemical Storage Bottle, 5 litres	White	3.99	4.79
12043	Jobo	Chemical Storage Bottle, Wide Neck, Black, 1 litre, 3372B	Black	6.67	8.00
12044	Jobo	Chemical Storage Bottle, Wide Neck, White, 1 litre, 3372W	White	6.67	8.00

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film

Film Chemicals

Film Cleaning

Film Storage

Film Scanners

Film Developing Tanks

Film Processing Accessories

Film Washing and Drying

Slide Viewers and Accessories

INDEX

Film Openers and Retrievers

To retrieve the end of a film leader inside a cassette for processing, we recommend using a film retriever and then a cassette opener for opening 35mm film cassettes. AP shaped their cassette opener to accommodate 35mm cassette end-caps.

Use scissors to cut off the leader of 35mm film when loading it on the reel of a developing tank. The adhesive tape to secure 35mm or 120-size roll film to its spool can be cut with scissors or torn carefully with your fingers.

Bulk Film Accessories

We sell all the accessories needed to bulk load black and white film. The central part of this is a bulk film loader.

The AP Bobinquick film loader is the best film loader on the market. It has clear dials that indicate both the film loaded and stock left a reset switch and a safety 'interlock' catch. We recommend it for school and college use.

We sell plastic reloadable cassettes and tape to secure the film to the reel and DX labels to adhere to the cassette for setting the camera's correct film speed.

Densitometers

Densitometers are used in film photography to measure the densities of negatives and the saturation of prints. Such measurements enable the photographer to choose the right photo paper and exposure instantly, eliminating the need for test strips.

Heiland densitometers are designed and produced by Heiland Electronic GmbH in Wetzlar, Germany, to laboratory standards and are rugged and reliable for all black-and-white darkroom work. This year, we have extended our range of densitometers and accessories stocked.

We have complete information about their range and how to use them on our website. Blog – All you need to know about Densitometers.

Loupes and film magnifiers

You use a loupe, a negative magnifier or a film loupe to inspect processed film or prints. It's a single or multiple-element magnifier mounted in a skirted housing that can be placed against the film or print to be viewed.

Loupes help evaluate or compare different negatives or slides before printing or scanning them, viewing contact sheets, or comparing printing techniques. Large or medium format photographers who compose and focus on ground glass sometimes find this magnifier helpful.

We stock a range of magnifiers, from inexpensive plastic versions to aspherical-coated glass models.

AP Film Magnifier 8x Loupe

This inexpensive magnifier comes with an 8x magnification lens, 24 mm diameter, transparent foot base and is suitable for 35mm slides and negative work. An alternative is our own 10x loupe, which is slightly cheaper.

Firstcall Film Magnifier 10x Round Loupe

Our desk loupe with a 10x magnification lens has a 48mm diameter. It is excellent for assessing film negatives, slides, or non-photographic hobbies such as stamp or coin collecting, map reading, or watch repair.

Transparent, round foot base. Measurements: 40x45x48mm

Adox Film Magnifier 10x Precision Illuminated Loupe

This 10x loupe from Adox uses a precision glass lens and illuminates using an LED light, which covers a large area and produces a crisp, high-quality image even at the edges. The lens elements are fully coated, and the three lenses that make up the loupe come in two groups and have a 30mm diameter. You can enlarge the film enough to judge sharpness, grain, or resolution effectively, and the image is not severely cropped either. For spectacle wearers, there's also an adjustable dioptre compensation.

The 10x magnification is perfect for the ground glass of a field camera to check the focus, and in the footer, there is a micrometric scale (1/10th of a mm), which can be removed if preferred. The LED ring light built into the loupe dispenses with the need for a lightbox for your contact print viewing. It is powered by four silver oxide batteries, which are included, and a protective leather case.

DENSITOMETERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
39115	Heiland	TRD-2 Black and White Densitometer	Designed for general photographic calibration of b&w films and variable contrast papers.	565.83	679
39116	Heiland	TRD-Z Black and White Densitometer	Designed for general photographic calibration of b&w films and variable contrast papers according to the Zone Sytem	687.50	825.00
39117	Heiland	Densitometer Changeable Aperture Set	Set of four alternative apertures for use with TRD-2 or TRD-Z	115.83	139.00
39120	Heiland	Densitometer Ultra Violet Transmission Light	For use with TRD-2 or TRD-Z	51.67	62.00

BULK FILM ACCESSORIES

Code	Brand	Product	Description	Ex VAT	Inc VAT
26304	Ars-Imago	Film Retriever	Retrieves film tip from the cassette	5.83	6.99
26.05	Firstcall	Film Retriever	Retrieves film tip from the cassette	7.57	9.09
26036	AP	Film Cassette Opener	To remove crimped end of a film cassette	11.83	14.19
40014	AP	Film Cassette Opener, Bench-Mounted	Ideal for school or lab darkroom	7.74	9.29
40013	AP	Bulk 35mm Film Loader	Bobinquick, ideal for schools and colleges	66.66	79.99
26302	Firstcall	Reloadable Cassettes, Plastic	Pack of 20, For use with bulk film	16.66	19.99
2000	Firstcall	DX Recoder Labels, ISO 25	Strip of 5	2.49	2.99
2003	Firstcall	DX Recoder Labels, ISO 100	Strip of 5	2.49	2.99
2004	Firstcall	DX Recoder Labels, ISO 125	Strip of 5	2.49	2.99
2005	Firstcall	DX Recoder Labels, ISO 160	Strip of 5	2.49	2.99
2008	Firstcall	DX Recoder Labels, ISO 400	Strip of 5	2.49	2.99

FILM WASHING AND DRYING

For washing film, rubber or plastic hoses can be inserted into the centre of the reel in a developing tank and attached to a water supply. We sell Paterson and Jobo items for this. Alternatively, you can buy a turbo film washer from Nova. Whichever washing device is used, water must be changed several times during the wash cycle. It is an excellent idea to intermittently agitate the tank or film to remove air bubbles that may adhere. Repeatedly pour water into the developing tank without running water and agitating the film before each draining.

Drying is a simple choice between air-drying using Film Clips or a fan-driven drying cabinet.

Film clips

Special clips are made for hanging up wet film to dry. Available in plastic or stainless steel, the best ones are weighted to help keep roll films from curling while drying, such as the AP or Paterson. The Paterson ones also have stainless steel pins to grip the film securely.

Jobo Cascade Film Washer

One of the most reliable film washers currently on the market, it is the washer we recommend, and it takes only 3 minutes; no other film washer completes the task faster. Please note that the Cascade will not fit AP tanks.

Film squeegees, like those from Paterson or AP, remove excess water from the surface of the newly processed film. Use in conjunction with a Wetting Agent for best results.

FILM WASHING AND DRYING

Code	Brand	Product	Description	Ex VAT	Inc VAT
26045	AP	Film Clips, Set of 2, bottom one weighted	Plastic, one pair	7.58	9.09
26096	AP	Film & Print Squeegee	For film and prints up to 8 x 10in.	9.74	11.69
26046	Paterson	Film Clips, Set of 2	PTP218, Plastic, one pair	11.41	13.69
25043	Paterson	Film Squeegee	PTP211	13.58	16.29
25041	Firstcall	Film Clips, Stainless Steel, Set of 2	One pair	6.91	8.29
25044	Paterson	Force Film Washer	PTP201	13.41	16.09
12069	Jobo	Force Film Washer Cascade, 3350	Fits Jobo tanks for a rapid 3 minute wash	32.50	39.00
21042	Nova	Force Film Washer, FP Turbo	Washes 5x 35mm or 3x 120 Paterson spirals	49.96	59.95
39124	Jobo	Mistral 3 Film Dryer for 35mm & 120 film, Kit 3521	Dries 35mm or 120 films in 15 minutes, dust free	549.17	659.00
39125	Jobo	Mistral 3 Film Dryer for sheet film, Kit 3522	Dries 4x5, 5x7 and 8x10 inch films in 15 minutes, dust free	549.17	659.00
39122	Heiland	Film Dryer	Suitable for drying film or paper up to 8 x 10 inches	732.50	879.00

Film Processing and Drying

Nova Water Heater

Nova make a low-cost water heater ideally suited to C41 users on a budget. The Novatronic is a 150w heater/stat that is a fully submersible heating element with thermostatic control, which is capable of heating around three gallons/15 litres of liquids from 0 up to 42 degrees C and is accurate to +/- 0.2degrees C.

The unit perfectly covers all your darkroom chemical heating requirements, working across heating for all Black and White and Colour film and print processes.

It is accurate to +/- 0.2 degrees C and is fully adjustable. Two suction pads are supplied so they can be attached to the container in which it is being used.

Jobo CP Processors

Jobo's two processors are semi-automatic film and print processors because temperature, time and agitation are mechanically controlled. With them, any analogue photographer can now process their colour (or black and white) film at home and get professional results.

The Jobo CPE-3 Processor is a motor-driven processor for all films from 35mm, 120 medium format and 4x5 sheet film using Jobo tanks but differs essentially from the CPP-3 by not being programmable or having the ability to take Expert tanks. See our website for complete details. Check out the new low-cost Silverbase from Jobo this year – it is compact and an inexpensive way to process film easily.

Nova FP Processor

This basic model can process BW, C-41, and E6 roll films - 2 x 35mm or 1 x 120 film at a time while maintaining temperatures up to 45 degrees Celcius. Using the Paterson tank included, you load the film onto a spiral, and once the film is in the tank, the rest of the process can be carried out in daylight.

The chemicals are stored in 3 x 1 litre graduated bottles. These bottles have been specially selected; each has a secure, air-tight double closure system.

FILM PROCESSING AND DRYING

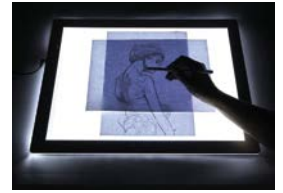| Code	Brand	Product	Description	Ex VAT	Inc VAT
12048	AGO	Paterson Film Processor	Film processing made easy for all Pateson developing tank users	249.99	299.99
21023	CineStill	CS Temperature Control System TCS-1000	Efficiently and easily mix your chemistry, heat it up to the precise processing temperature for film processing	87.49	104.99
39103	Jobo	CPE-3 Film & Print Processor c/w lift, 4059	Motor driven processor with lift for 135, 120, up to 4x5 films in Jobo tanks. Includes 1520 tank	1479.17	1775.00
39110	Jobo	CPP-3 Film & Print Processor with lift, 4089	Semi-automatic film and processor with lift, 2520 tank and 2502 reel	3115.83	3739.00
39108	Jobo	Lift for CPE-3, 4062	Simplifies processing with the CPE-3	512.50	615.00
39096	Jobo	Lift for CPP-3/CPP-2, 4072	Simplifies processing with the CPP-3 or CPP-2	512.50	615.00
39109	Jobo	Retro E6 Kit for CPE-3, 4061	Divider for your CPE-3 when using 6 bath E6 process	73.33	88.00
39113	Jobo	SilverBase Compact Rotary Film Processor, 4044T	Rotary film and processor for 35mm, 120 and 4x5 without water jacket	312.50	375.00
39130	Jobo	Silverbase Roller Set 93023 for 2500 Series Tanks	Replacement roller set for Silverbase Processor if using the larger 2500 series tanks	16.67	20.00
21014	Nova	FP 2/1 Film Processor	For 2x 35mm or 1x 120 C41, B & W or E6	241.63	289.95
21026	Nova	Water Heater, Novatronic	Sticks to inside of dish, for preheating any developing tank	45.79	54.95

SLIDE VIEWERS & ACCESSORIES

Light Panels

Kaiser LED Slimlite Plano Light Panels

These new LED light panels are incredibly flat, dimmable, and uniquely all come with a built-in rechargeable battery. At only 8 mm thick, they offer perfect specifications for viewing, sorting, and digitising negative films or slides and sheet films. You get 5000 K colour (daylight) temperature in connection with a 95 CRI colour rendition index across all three sizes. Add a Film Copier, and you have a perfect slide copying setup.

Slide Viewers

AP Slide Viewer 35mm Auto

AP's automatic 35mm slide viewer is perfect for those slide users with large volumes of slides but small pockets. It can hold 60 slides in its integral magazine and offers a bright 3-inch (75mm) screen for perfect viewing.

It is the cheapest mains viewer we have ever sold and represents superb value for money. We feel it is the ideal classroom accessory for checking and reviewing slides or arranging them before the projector presentation.

Photolux LED Slide Viewer

The Photolux SV-2 Slide Viewer offers 2 x magnification for your 35mm slides & negatives. Unlike ordinary slide viewers, which use small tungsten (torch) bulbs for illumination, the SV-2 uses LED light for the overall constant illumination of your slide. The 2x magnification makes it easy to see the detail better. This high-quality desktop viewer also includes a genuine glass lens for the sharpest and brightest image.

It accepts slides mounted in 2 x 2-inch frames and unmounted strips of negatives or slides.

Slide Mounts

We import the AP range from Spain, where, for as little as 10p each, we offer their plastic two-piece, glassless mounts as the cheapest slide mount on the market. With GePe now ceasing manufacture, AP is the only real option for slide users.

Firstcall Light Panels

Our range of light panels are all wafer thin (10mm), and the light provided comes from LEDs, giving an even spread from edge to edge. Powered by the mains, these very-low heat panels come in sizes A5, A4, A3 and A2 and offer a cheaper alternative to the Plano range.

- Modern touch button on/off switch.
- Dimmable to suit the needs of your project.
- Coming with a low-voltage adaptor, it consumes tiny amounts of power and does not get hot.
- The modern LED light source and diffusion acrylic enable an even distribution of light across the illuminated area, so no "hot spots" exist.

LIGHT BOXES

Code	Brand	Product	Description	Ex VAT	Inc VAT
12027	Firstcall	Light Panel A5	Ultra thin, 6 x 9 inch, mains powered	45.83	55.00
12063	Firstcall	Light Panel A4	Ultra thin, 9 x 12 inch, mains powered	58.33	70.00
12065	Firstcall	Light Panel A3	Ultra thin, 12 x 17 inch, mains powered	78.33	94.00
12066	Firstcall	Light Panel A2	Ultra thin, 17 x 24 inch, mains powered	129.17	155.00
9074	Kaiser	LED Slimlite Plano Lightbox, 2453	22 x 16 cm. model, 5000k daylight, super tin 8cm, battery or mains included	79.48	95.37
9075	Kaiser	LED Slimlite Plano Lightbox, 2454	32 x 22.8 cm. model, 5000k daylight, super thin 8cm, battery or mains included	115.83	139.00
9076	Kaiser	LED Slimlite Plano Lightbox, 2455	42.9 x 30.9 cm. model, 5000k daylight, super thin 8cm, battery or mains included	162.5	195.00
9077	Kaiser	FilmCopy Vario, Film Copier 2457	Perfectly copy film using your camera and a lightbox	199.17	239.00
9078	Kaiser	FilmCopy Vario, Film Copier Kit 2458	Perfectly copy film using your camera. Includes Plano 2453 lightbox	249.17	299.00

SLIDE VIEWERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
25100	AP	Slide Viewer 35mm, Pocket	Hand-held daylight viewer no batteries required	4.83	5.79
26114	AP	Slide Viewer 35mm, Battery	2x magnification, needs 2x AA batteries	14.41	17.29
26106	AP	Slide Viewer 35mm, Auto	2x magnification, mains, recommended	29.16	34.99
12070	Photolux	SV-3 LED Daylight Slide Viewer	Daylight, 35mm, 3x mag., inc. tray, needs 4x AA batteries	29.99	35.99
26122	Photolux	Slide Viewer 35mm, SV-2, LED Illuminated, Battery	2x magnification, needs 2x AA batteries	14.16	16.99

SLIDE MOUNTS & CUTTERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
25104	AP	Slide Cutter, Budget	Manual, guillotine type	13.33	15.99
9060	AP	Slide Cutter & Mounter, Photomounter CS II	CAM system	49.99	59.99
9061	AP	Slide Mounts Glassless 35mm CS, Pack of 100	2 piece clip mounts	8.33	9.99
9062	Kaiser	Slide Mounts Glassless 2156, 35mm, Pack of 100	For CAM system	13.33	15.99

SLIDE BOXES & MAGAZINES

Code	Brand	Product	Description	Ex VAT	Inc VAT
25252	AP	Projector Slide Storage Case, 200	Plastic with clear lid, 200 slides in compartments	8.33	9.99
25253	AP	Projector Lab Slide Case, Black	Black with white frosted lid, holds 40 slides	0.58	0.69
26104	AP	Projector Magazine, Carousel Rotary	For all Kodak Projectors, assorted colours	7.49	8.99

LAMPS

| Code	Brand	Product	Description	Ex VAT	Inc VAT
26123	AP	Slide Viewer 35mm, Spare Bulb, 15w 240v	E14 15W 240V Small Edison Screw (SES) [Energy Class F] fits most viewers	3.08	3.69
26515	Lamps	Projector Lamp A1/220 (BRL) 12V/50W		2.49	2.99
26516	Lamps	Projector Lamp A1/230 (EFN) 12V/75W		10.83	12.99
26517	Lamps	Projector Lamp A1/223 (EHJ) Braun 24V/250W		2.33	2.79
26518	Lamps	Projector Lamp A1/249 Braun 240V/300W		16.58	19.9
26566	Lamps	Projector Lamp A1/216 (FCS) Braun 24V/150W		3.33	3.99
26575	Lamps	Projector Lamp A1/259 (ELC) 24V/250W		11.49	13.79

Film
Film Chemicals
Film Cleaning
Film Storage
Film Scanners
Film Developing Tanks
Film Processing Accessories
Film Washing and Drying
Slide Viewers and Accessories
INDEX

ANALOGUE BOOKS

Pinhole Photography

This respected guide for pinhole photography is packed with all the information you need to understand and get underway with this wonderfully quirky, creative technique. Covering pinhole photography from its historical roots, pinhole expert Eric Renner, founder of pinholeresource.com, thoroughly explores pinhole's theory and practical application in this beautiful resource.
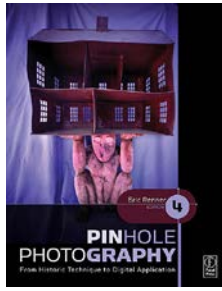
Packed with inspiring images, instructional tips and information on a variety of pinhole cameras for beginner and advanced photographers, this classic text now offers a new chapter on digital imaging and more in-depth how-to coverage for beginners, as well as revised exposure guides and optimal pinhole charts.

With an expanded gallery of full-colour photographs displaying the creative results of pinhole cameras, along with listings of workshops, pinhole photographers' websites, pinhole books, and suppliers of pinhole equipment, this is the one guide you need to learn the craft.

- Discover the history, theory and practical application of pinhole photography. It is packed with large, full-colour photographs showcasing the most original and imaginative ways to use pinhole photography, including the digital application of pinhole techniques
- Includes extensive resource section with reliable information on pinhole suppliers, websites, books and workshops that no pinhole photographer can do without.

The Photography Teacher's Handbook

The Photography Teacher's Handbook is an educator's resource for developing active, flipped learning environments in and out of the photo classroom, featuring ready-to-use methods to increase student engagement and motivation. The book uses the latest research on the cognitive science of active learning; this book presents groundbreaking strategies to inspire students to collaborate, explore, and internalise photographic principles and concepts. The innovative practices in this book reimagine the traditional, scholarly pedagogy into a dynamic, teacher-guided, learner-centred approach. Spread over 19 Chapters, this 256-page book hits the right blend of teacher and student requirements for teaching the subject of photography.
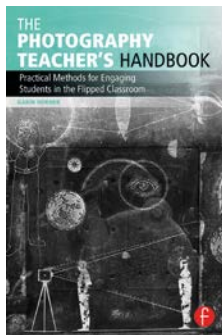
Key features include:

- Step-by-step instructions that explain how and why to flip a photography classroom
- Hands-on exercises and activities to help students take charge of their learning experience
- Practical advice from more than 100 respected photography educators
- An interactive companion website with informative videos, links, and resources for students and teachers alike.

Ars-Imago Analogue Photography

Ars-Imago's book is unique in recent times in that it is a comprehensive guide for film photographers, both new and old.

The aesthetic of vintage user manuals inspires it and is beautifully illustrated to inform and educate in the fundamental technical sides of both film cameras and film photography. However, having said that, it is not difficult to master as the book has six main sections and is structured so that you can access it in either a linear or non-linear way.
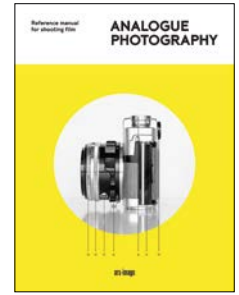
It opens concisely outlines the basic mechanics of taking a photograph. The beginner can then read through from cover to cover, while a more advanced photographer can dip in and out. You can easily navigate through the text; cross-references are underlined and listed with their relevant page numbers at the top of each page. There's also a complete and detailed index at the back.

Don't expect to find tips on how to take "better photos", though. The book's purpose is to get you to understand the mechanics of photography and, once grasped, let you take creative control of your camera and thereby use it as a tool for taking "your photos" precisely as you like them.

So whether you have found an old Pentax at the Charity Shop or inherited a Leica, this book provides all the information needed to help you understand your camera, get out, and start using it. As a primer or a reference manual, this is the perfect book to (re) kindle your love of analogue photography.

Teaching Photography

Finally, a book for the teachers! This new, 376 page book by Rand and Zakia is a must for teachers or those who are contemplating becoming a teacher.

It is aimed at assisting tutors to help students expand their knowledge and abilities in the techniques, the aesthetics, and the way photography fits into a greater world of knowledge, by providing ideas for inspiring conversations and critiques, as well as insightful pointers regarding the learner's perspective in this new world.
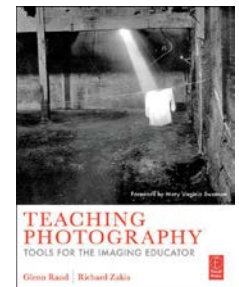
Teaching Photography approaches the many aspects of photographic education from a point of view that stresses the how and why of the education and not the technique to be taught. It offers new ideas on critiques, evaluations, and planning while also incorporating student artwork demonstrating direct results from critiquing sessions - the good and the bad!

Spread over 14 chapters, it is like a resumption of Teacher Training, covering wide topics like Learning, Techniques, Creativity Education,

Problem Solving, Critique, Measurement, Evaluation, 'The Environment', Planning, Support and the Profession. All chapters are uniquely relevant to the world of photography and the teaching of your subject.We highly recommend it.

BOOKS

Code	Brand	Product	Description	Ex VAT	Inc VAT
20179	Books	Pinhole Photography, Fourth Edition by E Renner	Comprehensive guide for all Pinhole Photography work	24.99	24.99
20228	Books	Teaching Photography	by G.Rand/R.Zakia, A professional tutors book	33.00	33.00
20270	Books	The Photography Teacher's Handbook	by G.Horner. Practical Methods for Engaging Students in the Flipped Classroom	34.99	34.99
20274	Books	Analogue Photography	by Andrew Bellamy, A reference manual for shooting film	18.00	18.00

BLACK AND WHITE PAPER

The choice of black-and-white photographic papers is extensive. In addition to selecting the paper's brand, quantity, and size, you must consider the paper base, contrast control, speed, surface, image tone, colour, tint, and weight.

Having said all that, your choice of paper today is nowhere near as extensive as it was when we started our business in 1991.

Today, when we refer to darkroom paper, we exclusively mean enlarging papers, sensitive to light and used to create images from negatives projected by an enlarger onto the paper.

As time has evolved, most of the specialist-made contact papers have gone, along with many art and lith papers loved by devoted darkroom enthusiasts. The preponderance of Multigrade or variable contrast printing has become the norm in recent times.

Today's black-and-white paper portfolio is divided into four areas: Multigrade Resin Coated, Multigrade Fibre, Specialist and (while still available) Graded.

Multigrade Resin Coated

Ilford Multigrade RC Deluxe Paper

Multigrade is a black-and-white darkroom paper developed by Ilford that allows the user to obtain five different grades (and half grades) from a single sheet of paper. This new version is the fifth generation of product development.

The advantages of buying such a type of paper are evident from a cost-saving viewpoint. Still, it also allows the printer to experiment with the chosen negative to provide the best possible effect if you need an increase or decrease in contrast.

Over the years, other companies have also introduced variable contrast paper to compete with Ilford, although Ilford still offers the most extensive choice on the market.

Most of their paper is available in three surfaces: Glossy, Pearl (silk with a slight sheen), or Satin (matt sheen, which is only an option with the Multigrade paper). We also stock the full complement of sizes and surfaces.

Ilford's Multigrade RC Deluxe is a 190gsm resin-coated (plastic coating) paper with a slightly warmer base tint than its predecessor, better blacks, improved mid-grade spacing and better toning qualities.

Kentmere, also made in the U.K. by Harman, is still a cheaper alternative. Being 15% more affordable, it has an entire grade range from 0-5, but if you want a full-grade selection and outstanding results, we recommend Ilford.

To use Multigrade paper correctly, you need a set of Multigrade or equivalent filters to set your required grades (without filters, all Multigrade papers will print as a grade 2). You can use our filters with Ilford or Ilford's as needed. You can also utilise a colour head for Multigrade work, and we can supply colour head settings if required. Please inform us of the enlarger and paper that you are using.

Graded Paper

Due to the decision by Harman Technology to phase out Graded RC and Galerie FB darkroom printing paper this year, we are no longer listing them in our catalogue. We still have some packs in stock, so look on our website for current availability.

Multigrade RC Warmtone & Cooltone

Apart from the regular Multigrade RC paper, you have two further choices of base tint colour by selecting either Multigrade Warmtone or Cooltone.

Cooltone produces a sharper, punchier image (especially using a gloss surface) compared to the equivalent Warmtone Multigrade. We particularly recommend the paper if you are using under-exposed negatives. It is a faster paper than RC IV or Warmtone.

Multigrade Warmtone produces a rich, warm black image on a warm white base without the complications of using fibre-based paper. If you have a notable negative, mainly a portrait, try Warmtone RC and develop in Fotospeed WT10, Harman Warmtone or Rollei WA developers for a beautiful, dreamy image.

REASONS TO BUY YOUR DARKROOM PAPER FROM FIRSTCALL

- We carry all the listed ranges in stock
- We offer a next-day delivery service
- We can provide optimum filter settings for your Multigrade enlargers
- We can have a fault-finding service – by phone or mail
- We employ darkroom specialists who use and understand your requirements

MULTIGRADE RC PAPER

| Code	Brand	Product	Ex VAT	Inc VAT
11078	Ilford	Multigrade RC Deluxe, Glossy, 3 x 3 inch Paper, 100 Sheets	20.08	24.09
11079	Ilford	Multigrade RC Deluxe, Glossy, A4, Pack of 100	94.33	113.19
11046	Ilford	Multigrade RC Deluxe, Glossy, 3.5 x 5.5in, Pk of 100	20.83	24.99
11076	Ilford	Multigrade RC Deluxe, Glossy, 4 x 5in, Pack of 25	15.41	18.49
11048	Ilford	Multigrade RC Deluxe, Glossy, 5 x 7in, Pack of 25	13.91	16.69
11050	Ilford	Multigrade RC Deluxe, Glossy, 5 x 7in, Pack of 100	38.58	46.29
11054	Ilford	Multigrade RC Deluxe, Glossy, 6.5 8.5in, Pk of 100	54.74	65.69
11056	Ilford	Multigrade RC Deluxe, Glossy, 8 x 10in, Pack of 25	27.08	32.49
11059	Ilford	Multigrade RC Deluxe, Glossy, 8 x 10in, Pack of 100	68.99	82.79
11062	Ilford	Multigrade RC Deluxe, Glossy, 9.5 x 12in, Pack of 50	53.74	64.49
11067	Ilford	Multigrade RC Deluxe, Glossy, 12 x 16in, Pack of 10	29.24	35.09
11070	Ilford	Multigrade RC Deluxe, Glossy, 12 x 16in, Pack of 50	84.58	101.49
11072	Ilford	Multigrade RC Deluxe, Glossy, 16 x 20in, Pack of 10	46.24	55.49
11074	Ilford	Multigrade RC Deluxe, Glossy, 16 x 20in, Pack of 50	132.24	158.69
11053	Ilford	Multigrade RC Deluxe, Satin, 5 x 7in, Pack of 25	13.91	16.69
11052	Ilford	Multigrade RC Deluxe, Satin, 5 x 7in, Pack of 100	38.58	46.29
11058	Ilford	Multigrade RC Deluxe, Satin, 8 x 10in, Pack 25	27.08	32.49
11061	Ilford	Multigrade RC Deluxe, Satin, 8 x 10in, Pack of 100	68.99	82.79
11064	Ilford	Multigrade RC Deluxe, Satin, 9.5 x 12in, Pack of 50	53.74	64.49
11069	Ilford	Multigrade RC Deluxe, Satin, 12 x 16in, Pack 10	29.24	35.09
11193	Ilford	Multigrade RC Deluxe, Satin, 12 x 16in, Pack of 50	84.33	101.19
11196	Ilford	Multigrade RC Deluxe, Satin, 16 x 20in, Pack of 10	46.24	55.49
11197	Ilford	Multigrade RC Deluxe, Satin, 16 x 20in, Pack of 50	132.24	158.69
11065	Ilford	Multigrade RC Deluxe, Satin, 11 x 14in, Pack of 50	86.74	104.09
11081	Ilford	Multigrade RC Deluxe, Pearl, A4, Pack of 100	94.33	113.19
11047	Ilford	Multigrade RC Deluxe, Pearl, 3.5 x 5.5in, Pack of 100	20.83	24.99
11049	Ilford	Multigrade RC Deluxe, Pearl, 5 x 7in, Pack of 25	13.91	16.69
11051	Ilford	Multigrade RC Deluxe, Pearl, 5 x 7in, Pack of 100	38.58	46.29
11055	Ilford	Multigrade RC Deluxe, Pearl, 6.5 x 8.5in, Pack of 100	54.74	65.69
11057	Ilford	Multigrade RC Deluxe, Pearl, 8 x 10in, Pack of 25	27.08	32.49
11060	Ilford	Multigrade RC Deluxe, Pearl, 8 x 10in, Pack of 100	68.99	82.79
11063	Ilford	Multigrade RC Deluxe, Pearl, 9.5 x 12in, Pack of 50	53.74	64.49
11068	Ilford	Multigrade RC Deluxe, Pearl, 12 x 16in, Pack of 10	29.24	35.09
11071	Ilford	Multigrade RC Deluxe, Pearl, 12 x 16in, Pack of 50	84.58	101.49
11073	Ilford	Multigrade RC Deluxe, Pearl, 16 x 20in, Pack of 10	46.24	55.49
11075	Ilford	Multigrade RC Deluxe, Pearl, 16 x 20in, Pack of 50	132.24	158.69
11077	Ilford	Multigrade RC Deluxe, Pearl, 20 x 24in, Pack of 50	185.24	222.29
11066	Ilford	Multigrade RC Deluxe, Pearl, 11 x 14in, Pack of 50	86.74	104.09
11202	Ilford	Multigrade RC Portfolio Glossy, 4 x 6in, 100 Sheets	67.24	80.69
11203	Ilford	Multigrade RC Portfolio Pearl 4 x 6in, 100 Sheets	62.49	74.99
11204	Ilford	Multigrade RC Portfolio Pearl 5 x 7in, 100 Sheets	44.83	53.79
11209	Ilford	Multigrade RC Portfolio Pearl 8 x 10in, 100 Sheets	140.29	168.35
11270	Ilford	Multigrade Cooltone RC Glossy 8 x 10in, Pack of 25	27.49	32.99
11272	Ilford	Multigrade Cooltone RC Glossy 8 x 10in, Pack of 100	105.83	126.99
11274	Ilford	Multigrade Cooltone RC Glossy 9.5 x 12in, Pack of 50	62.49	74.99
11278	Ilford	Multigrade Cooltone RC Glossy 12 x 16in, Pack of 50	97.49	116.99
11271	Ilford	Multigrade Cooltone RC Pearl 8 x 10in, Pack of 25	27.49	32.99
11273	Ilford	Multigrade Cooltone RC Pearl 8 x 10in, Pack of 100	105.83	126.99
11275	Ilford	Multigrade Cooltone RC Pearl 9.5 x 12in, Pack of 50	61.67	74
11279	Ilford	Multigrade Cooltone RC Pearl 12 x 16in, Pack of 50	86.99	104.39
11248	Ilford	Multigrade Warmtone RC Glossy 8 x 10in, Pack of 25	28.74	34.49
11250	Ilford	Multigrade Warmtone RC Glossy 8 x 10in, Pack of 100	102.33	122.79
11252	Ilford	Multigrade Warmtone RC Glossy 9.5 x 12in, Pack of 50	71.66	85.99
11254	Ilford	Multigrade Warmtone RC Glossy 12 x 16in, Pack of 10	31.08	37.29
11256	Ilford	Multigrade Warmtone RC Glossy 12 x 16in, Pack of 50	118.66	142.39
11249	Ilford	Multigrade Warmtone RC Pearl 8 x 10in, Pack of 25	28.74	34.49
11251	Ilford	Multigrade Warmtone RC Pearl 8 x 10in, Pack of 100	102.33	122.79
11253	Ilford	Multigrade Warmtone RC Pearl 9.5 x 12in, Pack of 50	71.66	85.99
11255	Ilford	Multigrade Warmtone RC Pearl 12 x 16in, Pack of 10	31.08	37.29
11257	Ilford	Multigrade Warmtone RC Pearl 12 x 16in, Pack of 50	118.66	142.39
11259	Ilford	Multigrade Warmtone RC Pearl 16 x 20in, Pack of 10	50.49	60.59
11260	Ilford	Multigrade Warmtone RC Pearl 16 x 20in, Pack of 50	177.91	213.49
14995	Kentmere	VC Select Glossy, 5 x 7in, Pack of 25	9.49	11.39
14997	Kentmere	VC Select Glossy, 5 x 7in, Pack of 100	26.91	32.29
15006	Kentmere	VC Select Glossy, 8 x 10in, Pack of 25	20.41	24.49
15030	Kentmere	VC Select Glossy, 8 x 10in, Pack of 100	56.49	67.79
15032	Kentmere	VC Select Glossy, 9.5 x 12in, Pack of 50	45.99	55.19
14996	Kentmere	VC Select Fine Lustre, 5 x 7in, Pack of 25	9.49	11.39
14999	Kentmere	VC Select Fine Lustre, 5 x 7in, Pack of 100	26.91	32.29
15008	Kentmere	VC Select Fine Lustre, 8 x 10in, Pack of 25	20.41	24.49
15031	Kentmere	VC Select Fine Lustre, 8 x 10in, Pack of 100	56.49	67.79
15034	Kentmere	VC Select Fine Lustre, 9.5 x 12in, Pack of 50	45.99	55.19

MULTIGRADE FIBRE BASED PAPER

Code	Brand	Product	Ex VAT	Inc VAT
11328	Ilford	Multigrade FB Classic Glossy, 5 x 7in, 100 Sheets	55.33	66.39
11330	Ilford	Multigrade FB Classic Glossy, 8 x 10in, 25 Sheets	37.08	44.49
11332	Ilford	Multigrade FB Classic Glossy, 8 x 10in, 100 Sheets	114.41	137.29
11336	Ilford	Multigrade FB Classic Glossy, 9.5 x 12in, 50 Sheets	88.08	105.69
11334	Ilford	Multigrade FB Classic Glossy, 9.5 x 12in, 10 Sheets	21.58	25.89
11338	Ilford	Multigrade FB Classic Glossy, 12 x 16in, 10 Sheets	39.83	47.79
11340	Ilford	Multigrade FB Classic Glossy, 12 x 16in, 50 Sheets	147.41	176.89
11342	Ilford	Multigrade FB Classic Glossy, 16 x 20in, 10 Sheets	62.41	74.89
11344	Ilford	Multigrade FB Classic Glossy, 16 x 20in, 50 Sheets	224.08	268.89
11329	Ilford	Multigrade FB Classic Matt, 5 x 7in, 100 Sheets	55.33	66.39
11331	Ilford	Multigrade FB Classic Matt, 8 x 10in, 25 Sheets	37.08	44.49
11333	Ilford	Multigrade FB Classic Matt, 8 x 10in, 100 Sheets	114.41	137.29
11335	Ilford	Multigrade FB Classic Matt, 9.5 x 12in, 10 Sheets	21.58	25.89
11337	Ilford	Multigrade FB Classic Matt, 9.5 x 12in, 50 Sheets	88.08	105.69
11339	Ilford	Multigrade FB Classic Matt, 12 x 16in, 10 Sheets	39.83	47.79
11341	Ilford	Multigrade FB Classic Matt, 12 x 16in, 50 Sheets	147.41	176.89
11343	Ilford	Multigrade FB Classic Matt, 16 x 20in, 10 Sheets	62.41	74.89
11345	Ilford	Multigrade FB Classic Matt, 16 x 20in, 50 Sheets	224.08	268.89
11350	Ilford	Multigrade FB Cooltone, Glossy, 5 x 7in, 100 Sheets	60.41	72.49
11351	Ilford	Multigrade FB Cooltone, Glossy, 8 x 10in, 25 Sheets	40.74	48.89
11352	Ilford	Multigrade FB Cooltone, Glossy, 8 x 10in, 100 Sheets	119.49	143.39
11354	Ilford	Multigrade FB Cooltone, Glossy, 9.5 x 12in, 50 Sheets	96.58	115.89
11353	Ilford	Multigrade FB Cooltone, Glossy, 9.5 x 12in, 10 Sheets	23.74	28.49
11355	Ilford	Multigrade FB Cooltone, Glossy, 12 x 16in, 10 Sheets	43.99	52.79
11356	Ilford	Multigrade FB Cooltone, Glossy, 12 x 16in, 50 Sheets	160.24	192.29
11357	Ilford	Multigrade FB Cooltone, Glossy, 16 x 20in, 10 Sheets	68.74	82.49
11358	Ilford	Multigrade FB Cooltone, Glossy, 16 x 20in, 50 Sheets	244.99	293.99
11309	Ilford	Multigrade FB Warmtone S-Matt 8 x 10in, Pack of 25	46.24	55.49
11310	Ilford	Multigrade FB Warmtone S-Matt 8 x 10in, Pack of 100	149.16	178.99
11311	Ilford	Multigrade FB Warmtone S-Matt 9.5 x 12in, Pack of 10	26.24	31.49
11312	Ilford	Multigrade FB Warmtone S-Matt 9.5 x 12in, Pack of 50	107.49	128.99
11313	Ilford	Multigrade FB Warmtone S-Matt 12 x 16in, Pack of 10	44.08	52.89
11314	Ilford	Multigrade FB Warmtone S-Matt 12 x 16in, Pack of 50	181.91	218.29
11315	Ilford	Multigrade FB Warmtone S-Matt 16 x 20in, Pack of 10	73.91	88.69
11316	Ilford	Multigrade FB Warmtone S-Matt 16 x 20in, Pack of 50	304.16	364.99
11301	Ilford	Multigrade FB Warmtone Glossy 8 x 10in, Pack of 25	46.24	55.49
11302	Ilford	Multigrade FB Warmtone Glossy 8 x 10in, Pack of 100	149.16	178.99
11303	Ilford	Multigrade FB Warmtone Glossy 9.5 x 12in, Pack of 10	26.24	31.49
11304	Ilford	Multigrade FB Warmtone Glossy 9.5 x 12in, Pack of 50	107.49	128.99
11305	Ilford	Multigrade FB Warmtone Glossy 12 x 16in, Pack of 10	44.08	52.89
11306	Ilford	Multigrade FB Warmtone Glossy 12 x 16in, Pack of 50	181.91	218.29
11307	Ilford	Multigrade FB Warmtone Glossy 16 x 20in, Pack of 10	73.91	88.69
11308	Ilford	Multigrade FB Warmtone Glossy 16 x 20in, Pack of 50	304.16	364.99
11317	Ilford	MG ART 300, 5 x 7 in, 50 Sheets	37.33	44.79
11318	Ilford	MG ART 300, 8 x 10 in, 50 Sheets	84.58	101.49
11319	Ilford	MG ART 300, 9.5 x 12 in, 30 Sheets	72.24	86.69
11321	Ilford	MG ART 300, 12 x 16 in, 30 Sheets	135.33	162.39
11322	Ilford	MG ART 300, 16 x 20 in, 30 Sheets	204.24	245.09
11320	Ilford	MG ART 300, 11 x 14 in, 10 Sheets	40.24	48.29
11323	Ilford	MG ART 300, 11 x 14 in, 30 Sheets	98.58	118.29

REMEMBER

KENTMERE PAPER IS UP TO 15% CHEAPER THAN ILFORD MULTIGRADE – MAKING YOUR BUDGETS STRETCH FURTHER

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

Multigrade for Pinhole in 3 x 3" & 4 x 5" Packs
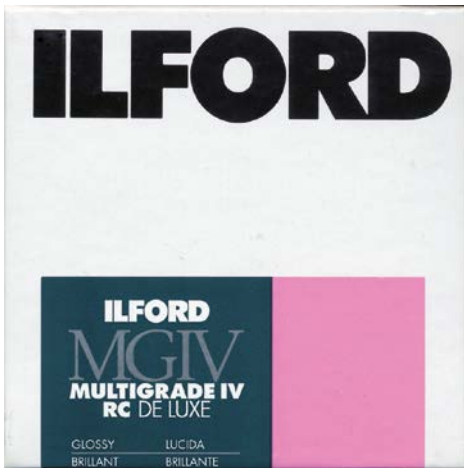
You can make Pinhole work more manageable if you use Ilford's tailor-made Multigrade paper. They produce two paper sizes, especially for pinhole cameras. Using paper allows you to make contact prints directly from the paper when used as a negative, and, although finally giving a reversed image, it is much cheaper than using film or direct positive alternatives.

In packs of 100, choose the 3 x 3-inch size when working with handmade pinhole cameras or the 4 x 5-inch size when using Ilford's Harman or Obscura cameras. The 3 x 3-inch size is only available on a glossy surface.

Ilford Multigrade Filter Sets

To use multigrade papers with your enlarger (that does not have a colour head), you need a set of filters to achieve contrasting grades.

Ilford's sets include twelve filters numbered 00-5 in 1/2 steps, with the lowest filter number corresponding to the softest contrast. Filters are available in 8.9 x 8.9cm (3.5 x 3.5 inches) and 15.2 x 15.2cm (6 x 6 inches).

They can be used above or below the lens and cut to fit the enlarger filter drawer. Filter sizes 30 x 30cm (11.8 x 11.8 inches) are available for special orders. A filter kit is also available for use below the lens. It comprises 12 mounted contrast filters, a mounted safelight filter and a filter holder.

Multigrade Fibre Base

You nearly always choose Fibre-based paper when an exhibition print in black and white is required. This is because it is easier to mount and often lends itself to toning and manipulation. These papers are often chloro-bromide-based, consistently producing the most vibrant tones. However, they usually have the disadvantage of being difficult to wash and dry properly.
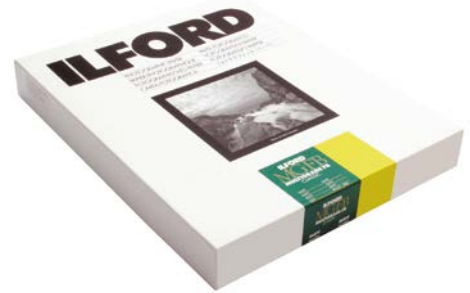
Our best-seller is Multigrade Fibre Base Classic, which offers sharp images, great Dmax and beautiful toning -images toned in Selenium render rich tones.

Available in glossy or matt surface choices, it develops in 2-3 minutes, with images appearing in around 30 seconds. Mid-tones also "drop in" well, meaning less exposing work.

Multigrade Art 300 is for photographic students and fine art photographers who want the ultimate in high-quality printing media. Its 100% cotton rag paper base and acid-free nature combine to give it the feel of an Art paper. Its 300gsm weight and textured feel offer neutral to warmish tones on a cool base.

Kentmere VC Select

Having realised that lots of paper is used to get "proofs" from negatives – contact printing or negative appraisal- why use a premium brand paper on these occasions especially when a significant amount of waste is involved?

We recommend Kentmere VC Select for the darkroom's most variable contrast printing requirements. Made in the UK at the Harman factory, its quality is guaranteed. VC Select is an excellent silver chlorobromide enlargement paper on an RC base. With its pure white base and 270/m2 medium weight, it offers little fog and high maximum density with great mid-black tones.

Kentmere VC Select will render all grades (1-5), is available in glossy or lustre surface and a box of 8 x 10 inch 100 sheets costs only £67.79 including VAT, which is 15% less than the equivalent Ilford Multigrade IV RC paper.

Kentmere paper no longer offers the full range compared to Ilford Multigrade, particularly in the bigger packs.

Ilford Educational Filter Set – under £16

This low-cost filter set, made by Ilford, costs you less than half the price of their entire set. You can use the Educational VC Filter Set with all variable contrast photographic papers, including Ilford Multigrade or Kentmere VC. Especially for students, the filters can be employed above or below the lens and cut to size to fit your enlarger's filter drawer.

Easy to use, they offer a wide contrast range to obtain high-quality prints from most negatives. They differ from Ilford sets in that they only have six entire grade filters (no half-grades).

MULTIGRADE FILTERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
11182	Ilford	Multigrade Filter Set, 8.9cm	3in. (8.9cm), filters fit into a drawer	28.41	34.09
11183	Ilford	Multigrade Filter Set, 15.2cm	6in. (15.2cm), filters fit into a drawer	54.08	64.89
11184	Ilford	Multigrade Filter Set, 8.9cm, Below Lens	Filters fit below the lens by using the holder included	60.66	72.79
25066	Ilford	Educational Filter Set, 8.9cm	Set of 6 filters, 0-5 grades	10.83	12.99

Harman Direct Positive FB Paper

Harman Direct Positive FB paper is a high-quality, traditional silver gelatine black and white, high contrast paper on a 255g/m2 fibre base with a Glossy surface.

- 'Positive' paper - no need for a negative
- Genuine silver gelatine photo paper
- Coated on 255 gsm Fibre Baryta base
- Fixed grade, high contrast paper
- Glossy surface
- Slow ISO speed (around ISO 1 – 3)

When processed, this paper gives a positive image and saves the hassle of negative exposure and development. It offers prints with rich blacks, bright whites and sharp tonal reproduction. The image tone remains neutral in all viewing conditions. Processing uses everyday black and white paper processing chemicals with identical development times. This paper is fibre-based, so you need to wash it well, and it does not dry as flat as usual resin-coated papers.

DIRECT POSITIVE PAPER

Code	Brand	Product	Ex VAT	Inc VAT
11455	Harman	Direct Positive FB, 4 x 5 in, Pack of 25	29.58	35.49
11456	Harman	Direct Positive FB, 5 x 7 in, Pack of 25	39.58	47.49
11457	Harman	Direct Positive FB, 8 x 10 in, Pack of 25	92.74	111.29
11458	Harman	Direct Positive FB, 11 x 14 in, Pack of 10	69.41	83.29
11464	Imago	Direct Positive Black & White RC, 5 x 4in, Pack of 25	29.92	35.90
11465	Imago	Direct Positive Black & White RC, 5 x 7in, Pack of 25	44.92	53.90
11466	Imago	Direct Positive Black & White RC, 8 x 10in, Pack of 10	41.58	49.90
11471	Imago	Direct Positive Black & White RC, 12 x 16in, Pack of 10	90.75	108.90
11467	Firstcall	Black Photographic Bags, for 5 x 7 Paper, Pack 20	4.99	5.99
11468	Firstcall	Black Photographic Bags, for 8 x 10 Paper, Pack 20	9.99	11.99
11469	Firstcall	Black Photographic Bags, for 12 x 16 Paper, Pck 20	11.66	13.99

Imago Direct Positive RC Paper is an easier-to-use alternative coated onto a 192gsm Melinex base.

Process both papers in standard black and white paper developers with everyday chemicals.

Foma Graded Papers

Foma's Czech-made grade paper is the only major supplier of graded paper now. It offers neutral blacks and a high light sensitivity.

Available in Glossy or Semi Matte there is a choice of three grades soft (1), normal (3) and hard (4). It is a neutral-to-warm photo paper on an RC base, and it stands out above all because of its good tonal range in the highlight areas. Similar to the old Kentmere Kenthene, its silver chlorobromide emulsion has developing agents incorporated in the emulsion, resulting in very short exposure and developing times.

Red or dark red darkroom safelight should be used.

FOMASPEED GRADED PAPER

Code	Brand	Product	Ex VAT	Inc VAT
15226	Foma	Fomaspeed N311, Normal (Gd 3) Glossy, 9.5 x 12, Pk 25	27.49	32.99
15227	Foma	Fomaspeed N311, Normal (Gd 3) Glossy, 12 x 16, Pack 10	18.91	22.69
15229	Foma	Fomaspeed N312, Normal (Gd 3) S/Matte, 9.5 x 12, Pk 25	27.49	32.99
15230	Foma	Fomaspeed N312, Normal (Gd 3) S/Matte, 12 x 16, Pack 10	18.91	22.69
15231	Foma	Fomaspeed N312, Normal (Gd 3) S/Matte, 20 x 24, Pack 10	44.99	53.99
15232	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 9.5 x 12, Pack 25	27.49	32.99
15233	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 12 x 16, Pack 10	18.91	22.69
15234	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 20 x 24, Pack 10	44.99	53.99
15238	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 4 x 6, Pack 100	17.33	20.79

Bergger FB Papers

Bergger is France's oldest photographic materials supplier. Although much has changed over the years, all their products still exhibit individuality and are associated with excellent quality and repeatable results.

They now produce two different Specialist FB papers- Prestige and COT 320.

Prestige Variable comes in two tones - NB is a bromide neutral image tone, while CB is their chlorobromide warm tone version. Both are glossy, variable-contrast fibre-based papers with tones that you can further enhance using different developers.

COT-320 Art is a non-sensitized paper made from 100% cotton and perfectly matched for use in alternative printing processes like platinum, palladium, Cyanotype, Kallitype or Van Dyke. Formerly part of the fibre base for Bergger Silver Supreme, COT-320 is still Made in France. With its smooth texture finish, this naturally white (320-gram) cotton rag paper gives a fantastic finish to any old process work, as no chemical additives detract from the desired effect.

BERGGER FIBRE BASED PAPERS

Code	Brand	Product	Ex VAT	Inc VAT
42001	Bergger	Prestige Variable NB FB Glossy, 8 x 10in, Pk 25	29.41	35.29
42002	Bergger	Prestige Variable NB FB Glossy, 9.5 x 12in, Pk 25	35.83	42.99
42003	Bergger	Prestige Variable NB FB Glossy, 12 x 16in, Pk 25	57.32	68.79
42004	Bergger	Prestige Variable NB FB Glossy, 16 x 20in, Pk 25	85.24	102.29
42005	Bergger	Prestige Variable NB FB Glossy, 20 x 24in, Pk 25	131.41	157.69
42007	Bergger	Prestige Variable CB FB Glossy, 8 x 10in, Pk 25	24.99	29.99
42008	Bergger	Prestige Variable CB FB Glossy, 9.5 x 12in, Pk 25	50.49	60.59
42009	Bergger	Prestige Variable CB FB Glossy, 12 x 16in, Pk 25	83.33	99.99
42010	Bergger	Prestige Variable CB FB Glossy, 16 x 20in, Pk 25	135.83	163.00
42011	Bergger	Prestige Variable CB FB Glossy, 20 x 24in, Pk 25	202.50	243.00
42012	Bergger	COT-320 Art, 8 x 10in, Pack of 25	13.33	16.00
42013	Bergger	COT-320 Art, 10 x 12in, Pack of 25	19.99	23.99
42014	Bergger	COT-320 Art, 11 x 14in, Pack of 25	22.74	27.29
42015	Bergger	COT-320 Art, 16 x 20in, Pack of 25	49.16	58.99
42016	Bergger	COT-320 Art, 20 x 24in, Pack of 25	72.49	86.99
42017	Bergger	COT-320 Art, 1.30 x 10m, Roll	115.00	138.00

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

InkJet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

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No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

COLOUR RA4 PAPER

Adox Lupex Silver Chloride Contact Paper

If you own a large format camera, you can expose photographic printing paper in the camera, and once developed in the darkroom, this creates a paper negative.

The tones of the original scene are reversed in the negative. Bright things become dark on the paper, and dark things become light. You can then make contact prints from these paper negatives instead of enlargements. The process is called contact printing because you squeeze the negative face down in contact with the sheet of silver gelatin printing paper (between two sheets of glass) and shine a bright light through it to print the image into the paper. The print is the same size as the negative. This same principle can also be achieved by printing the paper negative onto an inkjet printer, which is then ready immediately for transfer to the darkroom for contact printing.

This is like darkroom printing in an old-fashioned way, and now there's a special silver chloride paper from Adox called Lupex to achieve such enlargements in just 60 seconds. Contact printing produces fantastic pictures.

Colour RA4 Paper

Printing from Colour Negatives

RA-4 is the general name for colour processes when printing colour negatives. To process the paper, we recommend RA-4 chemicals from Adox and Bellini. Processing drums from Jobo, Paterson, or ordinary developing dishes can be used to process the prints, although tray processing is less practical than processing in a drum. In particular, temperature control (38 degrees) is needed; the steps should be done in complete darkness, and careful agitation is required to avoid uneven development and streaks in the print.

Fuji Crystal Archive RA-4 Paper

Fuji is the mainstay of darkroom colour printing enthusiasts when printing on Colour RA4 sheets in the darkroom.

Fuji Crystal Archive RA4 colour paper is available in glossy and lustre surfaces (although Lustre is officially discontinued now) in 50 or 100-sheet boxes. It gives exceptional resistance to image deterioration. Your prints should last up to 30 years, and you will get exceptionally smooth skin tones, with reds appearing more profound and vibrant and yellows clearer. The white base yields purer highlights and a heightened sensation of three-dimensional depth.

ADOX LUPEX SILVER CHLORIDE CONTACT PAPER

Code	Brand	Product	Ex VAT	Inc VAT
41006	Adox	Lupex Silver Chloride Contact Paper, 4 x 5in, Pk 100	36.66	43.99
41007	Adox	Lupex Silver Chloride Contact Paper, 5 x 7in, Pack of 100	64.16	76.99
41008	Adox	Lupex Silver Chloride Contact Paper, 8 x 10in, Pack of 5	13.33	15.99
41009	Adox	Lupex Silver Chloride Contact Paper, 8 x 10in, Pk 50	73.33	87.99
41010	Adox	Lupex Silver Chloride Contact Paper, 9.5 x 12in, Pack of 25	52.49	62.99
41011	Adox	Lupex Silver Chloride Contact Paper, 11 x 14in, Pack of 25	70.83	84.99
41012	Adox	Lupex Silver Chloride Contact Paper, 12 x 16in, Pack of 25	87.49	104.99
41013	Adox	Lupex Silver Chloride Contact Paper, 16 x 20in, Pack of 25	145.83	174.99

COLOUR RA4 PAPER

Code	Brand	Product	Ex VAT	Inc VAT
23050	Fujifilm	Crystal Archive Glossy, 8 x 10in, Pack of 100	75.38	90.46
23067	Fujifilm	Crystal Archive Glossy, 10 x 12in, Pack of 50	85	102
23052	Fujifilm	Crystal Archive Glossy, 12 x 16in, Pack of 50	117.43	140.9
23054	Fujifilm	Crystal Archive Glossy, 20 x 24in, Pack of 50	244.83	293.8
23053	Fujifilm	Crystal Archive Lustre, 12 x 16in, Pack of 50	73.74	88.49
23055	Fujifilm	Crystal Archive Lustre, 20 x 24in, Pack of 50	187.83	225.39

COLOUR PAPER CHEMICALS

When you want to process your colour RA4 paper, in some ways, it is a lot easier than black and white in that all the chemicals you need come neatly supplied in a kit for you. However, if one thing in analogue photography has suffered a lot in the last 25 years, it is the area of darkroom printing in colour.

It is not surprising when most colour printing needs to be done in complete darkness, and the allure of inkjet printing (and convenience) is hard to ignore.

For colour workers who want to buy their colour print chemicals we offer the small (2.5 litre) Adox kit or the more professional Bellini RA4 option.

COLOUR PAPER CHEMICALS

Code	Brand	Product	Ex VAT	Inc VAT
19091	Adox	RA4 Professional Kit, 2.5 litres	22.49	26.99
27496	Bellini	RA4 Kit, 5 litres	32.49	38.99

PAPER CHEMICALS

Black and White Paper Chemicals

The chemical steps for processing black-and-white prints are the same as those for processing black-and-white film: developer, stop bath, and fixer. However, the developer and (sometimes) paper fixer usually differ from those for films. The developer must be relevant to the paper you are using. Photo paper developers do not need to be the same as the paper manufacturer; finding timing combinations of non-standard paper developers is a lot easier than that for film.

PAPER DEVELOPERS

We recommend you find a developer you like and become confident using it before experimenting with new ones.

When buying a developer, you can assume they divide into categories according to the black tones that each product produces. Most RC or bromide fibre-based papers that need a neutral black result will be suited to development with PQ Universal or PD5 from Fotospeed.

Rollei RPN Eco Paper Developer

With Health & Safety paramount in modern thinking, it is great to sell a new print developer that is both eco-friendly and (because there are no restrictions concerning current labelling) simpler to transport and discard. Neutol ECO is a hydroquinone-free high-power paper developer based on ascorbic acid. It is ideal for schools, colleges or community darkrooms. There is no compromise in quality or processing speed either. Neutol Eco works faster than comparable hydroquinone-containing developers. One litre makes ten litres of working solution. We also offer new Eco developers from Adox and Bellini.

Ilford Harman Warmtone Print Developer

Working with fibre-based papers may require a warm tone or softer image. The developers to use for this often yield brown blacks like Ilford Multigrade, or if you want a warm to brown-black, we recommend developers like Tetenal's Variospeed W or Fotospeed's WT10. If you were using Ilford Warmtone or Foma's Art papers, we would particularly recommend the Harman Warmtone developer. This liquid concentrate hydroquinone developer is suitable for the dish/tray development of all black and white photographic papers, both resin-coated (RC) and traditional fibre-based (FB). Use it at a dilution of 1+9. It is not suitable for developing films.

Moersch Lith Developer

Moersch produces one of the few developing kits for those who want to lith print. You can change the image tone widely by experimenting with the dilutions and additives in the Master Set.

You get complete instructions that tell you how to use and achieve fine adjustments for creating different effects with the paper/developer combinations.

The diluted developer is, for a lith developer, very stable. For example, 500ml working solution at 1+10 without any extra antioxidant solution will last around 8 - 10 hours in an 8 x 10-inch developing dish.

You can also turn it off so the lith developer works like a brown toner.

Fotospeed PD5 Print Developer

PD5 print developer is a phenetidine/hydroquinone developer concentrate designed for black and white paper, both resin-coated and fibre-based. PD5 is also suitable for processing sheet film and comes in one or five-litre containers. It dilutes 1+9 or down to 1+4 for faster processing.

Ilford Multigrade Print Developer

You often require blue or cold blacks for specific results, usually for use in magazine or newspaper work. The developers to choose here are neutral to blue-black like Multigrade or neutral to cold black like Fotospeed PD5. Multigrade is the brand-leading liquid concentrate developer suitable for developing all black and white papers. You can use it at the standard dilution of 1+9 or 1+14 for greater development control and economy. It is clean working, has excellent keeping properties, and gives a neutral image tone with most papers.

Bellini Eco Print Developer

Part of our Eco Range of developing chemicals, which we created for safer use in schools and colleges, this darkroom paper developer comes without harmful Hydroquinone and instead is based on Ascorbic Acid and Dimezone. You'll find improved handling and disposal after use when working with this chemical.

It's suitable for developing all-black and white paper and quickly produces a neutral tone with intense blacks and the absence of fogging. There are two other good things about Bellini's paper-developing chemicals. Firstly, it's the only brand that is a small size, which allows you to try it without a significant outlay. Generally, you can't buy a cheaper eco-developer than this one.

The concentrate dilutes 1 + 9 with water, and development is completed in 2 minutes.

Sidebar (left margin): Black & White, and Colour Paper · Paper Chemicals · No Darkroom · Alternative Process · RAW Chemicals · Inkjet Paper · Inkjet Cartridges · Print Storage · Mounting · INDEX

Universal Developer

Universal developer develops film and paper. We sell two versions: Ilford PQ and Champion Suprol.

Champion Suprol Universal Film and Print Developer is available as one concentrate and dilutes at 1+19 for film and 1+9 for paper. Being a PQ developer, it can happily be used in the photo department, cutting down on double chemical costs.

Powder Developer

Powder developers have an excellent shelf-life of over a year in unopened packets. You can use Adox Konstant Universal paper developer for manual and automatic processing of all kinds of photo papers, RC or Fibre types, which takes 45 seconds to 3 minutes, depending on the paper. It produces neutral image tones (similar to Ilford Multigrade or PQ) with constant development times and is excellent value for money. It is the developer to put in your cupboard for the unexpected printing session or when you need to guarantee a freshly mixed developer. The powder comes in Parts A and B; when mixed, it will make 2x 1 litre of working solution.

Economical Machine Processing Kit for the 2150XL

With many Ilford Ilfolab 2150 RC processors still being used at colleges, the tailor-made Ilford 2150XL developer and fixer, liquid concentrate chemical kit, is an excellent answer to "fuel" the processor.

They are economical, easy to use and resistant to contamination. With a high print capacity, they can produce excellent prints from all black & white resin-coated photographic papers.

A single kit can fill the Ilfolab 2150 RC processor and process up to 1000 8 x 10-inch prints (515 ft2 of paper).

Ilford Bromophen Print Developer

Bromophen is a powder developer made from phenidone/hydroquinone.

You can use it for dish/tray development of all black and white resin-coated or fibre-based papers. It gives a slightly warm image tone with most papers and is recommended for use with warm-tone types.

It is one of the few developers we recommend for fibre-based paper users.

You dissolve the pack contents in water to make a 5L solution and then dilute 1:3 for use. The pack will, therefore, make 20 litres of working solution.

It is highly stable and gives full density plus tonal range through its working cycle, falling off steeply as it exhausts.

Bergger WarmTone Paper Developer

Bergger's new warmtone print developer, in our opinion, is the best warmtone developer on the market. We say this because you can vary the effect from warm to very warm depending on dilution, developing time, and paper.

Dilute between 1+7 and 1+12 with water as per above.

Although it is recommended for use with chlorobromide papers like Bergger's own Variable CB, it works beautifully with Ilford MGFB Warmtone or Foma 131/132 papers, too.

PAPER DEVELOPERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
40900	Adox	Adotol Konstant Universal Paper Developer, 1 litre	Powder, for all Black and White paper, makes 1 litre	3.16	3.79
41117	Adox	Neutol Eco Paper Developer, 1 litre	Liquid, hydro-quinone free, makes 5 litres	13.99	16.79
41118	Adox	Neutol NE Paper Developer, 1 litre	Liquid, neutral black, makes 10 litres	13.74	16.49
27478	Bellini	Eco Range Paper Developer, 1 litre	Hydroquinone Free makes 10 litres	10	12
27479	Bellini	Eco Range Paper Developer, 500ml	Hydroquinone Free makes 5 litres	6.04	7.25
27501	Bellini	Eco Range Paper Developer, D100, 5 litre	Hydroquinone Free makes 50 litres	37.49	44.99
42027	Bergger	WarmTone Paper Developer, 1 litre	The best warmtone developer on the market, makes up to 13 litres	14.41	17.29
13025	Foto-speed	PD5 Universal Paper Developer, 1 litre	Liquid, for all Black and White paper, makes 10 litres	9.49	11.39
13026	Foto-speed	PD5 Universal Paper Developer, 5 litres	Liquid, for all Black and White paper, makes 50 litres	37.99	45.59
13029	Foto-speed	DV10 Varigrade Paper Developer, 1 litre	Liquid, MG alternative, makes 10 litres	10.49	12.59
13030	Foto-speed	DV10 Varigrade Paper Developer, 5 litres	Liquid, MG alternative, makes 50 litres	42	50.4
11034	Ilford	PQ Universal Paper Developer, 500 ml	Liquid, for B&W paper, makes 5 litres	9.99	11.99
11035	Ilford	PQ Universal Paper Developer, 5 litres	Liquid, for B&W paper, makes 50 litres	31.08	37.29
11036	Ilford	Bromophen Paper Developer, 5 litres	Powder, for B&W paper, makes 20 litres	15.49	18.59
11037	Ilford	2150XL Developer + Fixer Kit 2x 3 litres	Liquid, for Ilford 2150XL tablke top processor.	69.58	83.49
11038	Ilford	2000RT Developer, 5 litres	Liquid, for most processing machines.	29.99	35.99
11041	Ilford	Multigrade Paper Developer, 1 litre	Liquid, brand leader, makes 10 litres	15.83	18.99
11042	Ilford	Multigrade Paper Developer, 5 litres	Liquid, brand leader, makes 50 litres	32.74	39.29
11043	Ilford	Warmtone Multigrade Paper Developer, 1 litre	Liquid, for all WT papers, makes 10 litres	14.99	17.99
18006	Kodak	Polymax T Developer, 940ml	Liquid, for most black and white papers, makes 8.4 L	13.58	16.29
18007	Kodak	Dektol Paper Developer 3.8 litres	Powder, for most black and white papers, makes 3.8 L	17.41	20.89
41130	Moersch	Lith 5 Master Kit, 2x 500ml	Lith printing chemical kit, makes 10-30 litres	40.83	48.99
41112	Rollei	RPN Paper Developer, 1 litre	Liquid, long-life, makes 10 litres	13.08	15.69
41113	Rollei	RPN eco Paper Developer, 1 litre	Liquid, hydro-quinone free, makes 10 litres	12.83	15.39

Paper Stop Baths and Fixers

Most stop baths and fixers we sell are multi-use for film and paper. There are a few exceptions, but if it is a multi-use, you must remember, when using a fixer with paper, to dilute it with a lower concentration than you have used for the film (Stop bath is the same dilution for both).

PAPER STOP BATH

The primary function of the stop bath is to halt the development process and to remove the excess developer from the paper. We do not recommend using running water only for this purpose because you need to neutralise the developer and prevent contamination of the fixer. The stop bath also removes the calcium and magnesium deposits in hard water that often form during development.

The most commonly used paper stop bath is an acetic acid solution. Odour-free citric acid stop baths are also available but are less potent than acetic acid versions, so they often cost more.

Multi-use Stop baths now often come with a dye that changes the colour of the solution when exhausted. Most papers have a required immersion time in the stop bath—typically fifteen to thirty seconds to be adequate.

Cheapest Stop Bath

ONLY £10.79

We do not sell a cheaper stop bath than the one from Ilford. Ilfostop is a citric acid odourless stop bath made in Germany with a universal application for all black & white films and photographic RC/FB papers.

It has an indicator dye to warn of exhaustion. It also makes for a more pleasant darkroom environment due to its odourless formula. It dilutes at 1+19 with water in all applications, making up to 10 litres of working solution.

Odour Free Stop Bath

Using a citric odourless stop bath makes for a safer and sweeter-smelling darkroom when compared to a traditional acetic acid stop bath. Using this type of stop bath removes allergies and skin irritations, and it is equally suitable for film or paper use. Choose from Bellini, Fotospeed or Tetenal. All dilute at 1+19 in either application, come with indicator dye to warn of exhaustion and are ready to wash after 1 minute of immersion. With them, you will find that they also protect your fixer life and performance with no alkali carry-over from the developer.

STOP BATH

Code	Brand	Product	Description	Ex VAT	Inc VAT
27491	Bellini	Eco Range Universal Stop Bath 500ml	Citric Acid Monohydrate, makes 10 litres	6.91	8.29
27482	Bellini	Eco Range Universal Stop Bath, 1 litre	Citric Acid Monohydrate, makes 20 litres	11.66	13.99
13034	Fotospeed	SB50 Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 20 litres	11.08	13.29
13037	Fotospeed	SB50 Odourless Stop Bath, 5 litres	Liquid, including dye indicator, makes 100 litres	44.33	53.19
11025	Ilford	Ilfostop Stop Bath , 500 ml	With indicator, based on citric acid, makes up to 10 litres	8.99	10.79
11362	Ilford	Simplicity Film Stop Bath, 30ml	Enough black and white stop bath to process 2 films	3.58	4.29
18001	Kodak	Indicator Stop Bath, 470ml	Liquid, including dye indicator, makes 30 litres	7.49	8.99
41120	Rollei	RCS Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 17 litres	14.58	17.49

Paper Fixers

The fixer stabilises the image, removing the unexposed silver halide on the photographic paper and leaving behind the reduced metallic silver that forms the image. In effect, it stops the paper from going black in daylight. This remaining compound will dissolve in water, and you can rinse it off the paper. As a rule, you should allow 2 minutes for paper fixing.

There are two types of fixer. The acidified "hypo" type's main ingredient is sodium thiosulphate. You mainly use Sodium fixers in film processing. The other kind of fixer contains acidified ammonium thiosulphate. Ammonium thiosulphate fixers halve the fixing time and are often called rapid fixers. Our recommended fast fixer is Ilford Rapid Fixer, and if you use it at 1+9, fixing is complete in 30 seconds.

When using fixers for paper, you should note that the dilutions are often weaker than those for film.

Sodium Fixers

Not too many sodium fixers are left on the market now, as everyone prioritises processing speed. However, Kodak's version is a traditional hardening Sodium Thiosulphate fixer powder that makes a stock solution of 3.8 litres for fixing film. Still, you can also dilute the stock 1:3 to fix the paper.

This product is end of line and only available while stock lasts.

Fixer Tablets

Tetenal Superfix Tabs are a new advance in dry chemistry, which you then dilute in water to process most black and white film or darkroom paper.

They come in two parts (A and B) and, when diluted, will make 3 litres of fixer, enough to fix 20 films or 4.5 litres sufficient to fix up to 160 sheets of RC darkroom paper. You'll, therefore, always have fresh chemistry with an extremely long storage life and ease of safe transport, even on aeroplanes, offering consistent results time after time.

Adox Adofix Plus

Adox's Adofix Plus is an excellent value, high-capacity, express fixer for all black-and-whitephoto materials (black and white photo paper (RC or Fibre-based), film, and sheet. It's intended for use in trays, tanks, and processing machines. You can make up to 10 litres of working solution with one litre of concentrate. Dilution is either 1+4 (recommended for film use) or 1+9.Capacity: 1.4 - 2 sq. meters of photo paper of 6-10 films per litre of working solution at 1+9 dilution. Total capacity: 45 films or 200 sheets of 8x10 inch photo paper. It'll stay fresh if kept unopened for about two years, but after opening the concentrate, it should be used within three months.

Adox P Universal Fixer

Adox Adofix P is unusual because it is a universal powder acid fixer for films and papers - all others being liquid. You can use it to process most types of black-and-white photo papers and films manually. This lightweight powder fixer, based on Sodium Thiosulphate, has an excellent shelf life. Both the powder and the working solution are very durable. The benefits of Adofix P are evident when the economy is required. Still, it is also an option where fixer concentrates are unfavourable to use (i.e. climatic conditions with high temperatures and high humidity).

Champion Amfix

Amfix universal fixer dilutes at 1+4 for film or 1+9 for prints of all types. It offers rapid fixing times and high throughput potential. Available in 1-litre or 5-litre concentrates, it makes your budget last longer. We believe no other 5-litre fixer is cheaper than this one from Champion.

Fix Ag

Fix Ag is the new name for fixers made by Agfa Gevaert in Belgium (previously known as Agefix). This nonhardening, ammonium thiosulphate concentrated fixer can be diluted 1+9 for standard use or 1+7 for faster fix times. This is particularly useful when you want to minimize immersion thereby reducing your wash times for example when fixing fibre-base paper. It can also be diluted at 1+4 for when using it as a film fixer which means this rapid fixer works in exactly the same way as Hypam but costs £25 less per 5 litre container.

Ilford Rapid and Hypam

Hypam was available in all sizes, but now only 5-litre containers are available. Hypam differs from Rapid Fixer, Ilford's standard offering in 500ml and 1-litre bottles, because Ilford adds a hardener to Hypam to make a hardening fixer. Both are ammonium thiosulfate rapid fixers and, thus, very similar in use. Both give you quicker wash times than are possible with a non-hardening fixer. You can use both for film and paper at 1+4 dilution for film and 1+9 for the paper.

Odourless Fixer

Fotospeed's helping hand in making your darkroom a sweeter-smelling place is extended with their odourless fixer, suitable for film and paper use. The FX30 fixer standard dilution is 1+9. It makes for a more pleasant working environment in your darkroom and is pH neutral; it is available in 1 or 5-litre containers. Using a stop bath is recommended to extend the life of the fixer.

PAPER FIXERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26334	Adox	Adofix Plus Fixer, 100ml	Baby bottle fixes 4 films	2.91	3.49
40905	Adox	Adofix P II Universal Fixer, powder makes one litre	Powder, for film and paper, makes 1 litre	2.91	3.49
40909	Adox	Adofix Plus Fixer, 500ml	Liquid, for film and paper, makes 5 litres	4.99	5.99
40910	Adox	Adofix Plus Fixer, 1 litre	Liquid, for film and paper, makes 10 litres	8.33	9.99
27481	Bellini	Eco Range Universal Fixer, FX100, 1 litre	Ammonium Hyposulfite, makes 5-10 litres	11.24	13.49
26116	Champion	Amfix Fixer, 1 litre	Liquid, for film and paper, makes 5 l for film or 10 l for prints	7.08	8.49
26117	Champion	Amfix Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	21.83	26.19
13010	Fotospeed	FX20 Fixer, 1 litre	Liquid, film and paper, makes up to 10 litres	8.74	10.49
13011	Fotospeed	FX20 Fixer, 5 litres	Liquid, film and paper, makes up to 50 litres	34.83	41.79
13012	Fotospeed	FX30 Odourless Fixer, 1 litre	Liquid, for film and paper, makes up to 10 litres	8.74	10.49
13014	Fotospeed	FX30 Odourless Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	34.83	41.79
11020	Ilford	Rapid Fixer, 500 ml	Liquid, film and paper, makes up to 5 litres	11.74	14.09
11021	Ilford	Rapid Fixer, 1 litre	Liquid, film and paper, makes up to 10 litres	16.08	19.29
11022	Ilford	Hypam Fixer, 5 litres	Liquid, film and paper, makes up to 50 litres	45.41	54.49
18036	Kodak	Professional Rapid Fixer with Hardener, 1 L	For film and paper, makes up to 3.8L; Solution A 946ml, Solution B 106ml	17.66	21.19
41114	Rollei	Fix AG, 1.2 litres	Liquid, for film & paper, makes up to 12.5 litres	10.00	12.00
41115	Rollei	Fix AG, 5 litres	Liquid, for film & paper, makes up to 50 litres	24.58	29.49
41116	Rollei	Fix AG Plus, 5 litres	Liquid, for film & paper, makes up to 50 litres	28.74	34.49
19129	Tetenal	Superfix B/W Film & Paper Fixer Tablets (20)	20 individiual fixer dry tablets -	24.99	29.99

Cyanotype Printing

At Firstcall, we offer a wide range of products that enable you to experience the popular craft of Cyanotype or sun printing.

Printing-out paper, chemistry and cotton material are all available separately. Still, Jacquard's cyanotype system takes the guesswork out for you, thereby allowing you to obtain these distinctive Prussian blue monochromatic prints with a minimal outlay.

Jacquard Cyanotype Set

ONLY
£14.79

This cyanotype starter kit, which is sufficient to make 60x eight by ten-inch prints (depending on the substrate's absorbency), is only £14.79 inc VAT, sufficiently cheap enough to give every student in the class an individual kit.

It is an excellent way to get started in cyanotype printing and includes:

Part A –
Potassium Ferricyanide 0.8 oz/23.2 g

Part B –
Ferric Ammonium Citrate 1.9 oz/54.4 g

We include full instructions for use on any natural surface, including cotton, linen, silk, canvas, wool, paper, wood and leather. You can find Quick instructions in the Manufacturer's Description on our website. If required, film negatives (Jacquard or PermaJet) can also be used to create the image.

Create your own Cyanotype Mural

If you need to produce a large, custom size or collaborative print, this Mural Fabric is perfect for your use.

Made from the same 100% cotton sateen fabric as the sheet packets we sell, this five-foot by seven-foot material is an easy way to create a large sun print.

Pull the sheet out of the package, arrange the objects on the sheet (you can even do full-body prints if you want), expose to light for 3-15 minutes, depending on conditions, rinse with cool water and then allow to air dry.

Cyanotype Pretreated Fabric Sheets

These unique, pre-treated versions of this beautiful process require no further chemical treatment or darkroom or photographic equipment, and cotton offers a quality alternative to paper. Jacquard's Pretreated Fabric Sheets are made from 100% cotton sateen.
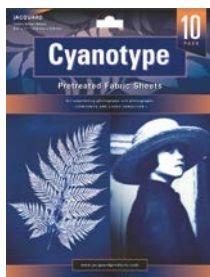
Expose the material to sunlight or UV (3-15 minutes, depending on conditions), placing the objects or a film negative (Jacquard or PermaJet) on top to create an image. After exposure, wash in cool water and allow to air dry.

There is a choice of the same size (8.5 x 11 inches) in packs of either 10 or 30 sheets.

Jacquard Cyanotype DIY

Jacquard's DIY cyanotype chemistry is inexpensive and goes a long way.

Two base chemicals work to make a Cyanotype Kit. Potassium Ferricyanide is a red salt used with Ferric Ammonium Citrate (the light-sensitive iron salt) needed for cyanotype printing.

Despite their perhaps alarming names, both are safe to handle and mix. That said, care should be taken to avoid ingestion, inhalation and contact with skin. Both are available from us in 8 oz (230-gram) jars.

Firstcall Printing-Out Paper

Printing-out paper or Sunprints are based on the old process of cyanotype printing. Cyanotype photographs are made by placing objects such as leaves, shells, flowers or textured patterns onto the surface and exposing them for about 1-2 minutes in sunlight on a sheet of paper. The paper is then rinsed with water for 30 seconds to reveal the print. The result is an image formed by light and objects. The objects block light from the paper, creating white shapes. Areas not blocked – exposed to light entirely – are blue/cyan. We thoroughly recommend this paper for art and nature projects within schools.

We sell 5 x 7 and 8 x 10 treated versions of this beautiful paper, which require no further chemical treatment, darkroom or photographic equipment. The 5 x 7 prints work out at only 80p, including VAT each, when bought in packs of 10.

CYANOTYPE PRINTING

Code	Brand	Product	Description	Ex VAT	Inc VAT
40100	Firstcall	Cyanotype Printing-Out Paper, 5 x 7 inches, Pack of 10	Matt	6.66	7.99
40099	Firstcall	Cyanotype Printing-Out Paper, 8 x 10 inches Pack of 10	Watercolour Cyantype	15.83	18.99
13089	Fotospeed	Cyanotype Process Kit	All you need for Cyanotypes	35.66	42.79
13095	Fotospeed	Cyanotype Sensitizer, 50ml	Replacement sensitizer for the Fotospeed Cyanotype Kit	18.24	21.89
40101	Hahnemule	Platinum Rag 300, 8 x 10 inches Pack of 25	Uncoated fine art paper for platinum printing Palladium, Van Dyke, Cyanotype and Salt Prints.	17.49	20.99
26963	Jacquard	Cyanotype Pretreated Fabric Sheets - 10 pack	10 sheets of 8.5 x 11 inch cotton sateen fabric	15.49	18.59
26964	Jacquard	Cyanotype Pretreated Fabric Sheets - 30 pack	30 sheets of 8.5 x 11 inch cotton sateen fabric	30.99	37.19
26965	Jacquard	Cyanotype Pretreated Mural Fabric	Five feet by seven feet of cotton sateen fabric	46.41	55.69
26966	Jacquard	Cyanotype Set	Complete chemical set to start cyanotype printing; with full instructions	12.33	14.79
26967	Jacquard	Cyanotype Potassium Ferricyanide - 230 gram	Make your own cyanotype - a cheap and fun photo process	9.66	11.59
26968	Jacquard	Cyanotype Ferric Ammonium Citrate - 230 gram	Make your own cyanotype - a cheap and fun photo process	11.41	13.69
26969	Jacquard	Cyanotype Class Pack - To teach up to 30 students	Complete class pack set to start cyanotype printing; with full instructions	74.99	89.99
27005	Rockland	Blueprint Kit, 500ml	Creates Cyanotypes, covers 24s 8 x 10in., makes 500ml	37.50	45.00

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

Jacquard SolarFast Dyes

Sun-activated dyes are taking the photographic and art markets by storm. We recommend this modern version of sun printing that lets you coat photo-sensitive dyes onto cotton, silk, suede, paper, wood, leather or just about any natural porous material. Just coat in subdued light (no darkroom necessary), expose to sunlight/UV and wash.

They can be used to create photograms, shadow prints, painting, dyeing, silk-screening, batik and more! Expose your design to sunlight and watch the colour appear! It is set permanently once exposed. Wash out the unexposed dye in hot, soapy water and agitate vigorously.

- Take an inkjet printer.
- Create a printed negative with it.
- Paint dye onto your receptor surface
- Overlay your negative in the sun, and hey-presto
- You have a real photo with no darkroom required

All the colours are available in economical 8-ounce bottles now; add a wash liquid (for post-exposure permanency) and transfer film, and you are all set to make stunning sun prints.

Digital Transfer Film is recommended for this process, as you must print large negatives that can be laid down on top of the receptor once painted with the dye. Both Jacquard and PermaJet sell their own, but we recommend Pictorico's high-quality film for its choice of sizes, packs and price. This transparent film handles much more ink than an average overhead transparency sheet. It is a fast-drying, water-resistant film with enhanced clarity, has a weight of 174gsm and works with dye or pigment inks such as Ultrachrome K3.

On the Jacquard SolarFast website, you will find video tutorials to help you get the most from their dyes. Mix all fourteen in the range, and a natural rainbow of photo printing opportunity awaits you.

JACQUARD SOLARFAST DYES

Code	Brand	Product	Ex VAT	Inc VAT
26947	Jacquard	SolarFast Starter Kit	26.24	31.49
26929	Jacquard	SolarFast Film, 8 Sheets	12.49	14.99
26930	Jacquard	SolarFast 8 Fl Oz Dye No 100, Golden Yellow	12.49	14.99
26931	Jacquard	SolarFast 8 Fl Oz Dye No 101, Orange	12.49	14.99
26932	Jacquard	SolarFast 8 Fl Oz Dye No 102, Burnt Orange	12.49	14.99
26933	Jacquard	SolarFast 8 Fl Oz Dye No 103, Scarlet	12.49	14.99
26934	Jacquard	SolarFast 8 Fl Oz Dye No 104, Red	12.49	14.99
26935	Jacquard	SolarFast 8 Fl Oz Dye No 105, Violet	12.49	14.99
26936	Jacquard	SolarFast 8 Fl Oz Dye No 106, Purple	12.49	14.99
26937	Jacquard	SolarFast 8 Fl Oz Dye No 107, Blue	12.49	14.99
26938	Jacquard	SolarFast 8 Fl Oz Dye No 108, Teal	12.49	14.99
26939	Jacquard	SolarFast 8 Fl Oz Dye No 109, Green	12.49	14.99
26940	Jacquard	SolarFast 8 Fl Oz Dye No 110, Avocado	12.49	14.99
26941	Jacquard	SolarFast 8 Fl Oz Dye No 111, Sepia	12.49	14.99
26942	Jacquard	SolarFast 8 Fl Oz Dye No 112, Brown	12.49	14.99
26943	Jacquard	SolarFast 8 Fl Oz Dye No 113, Black	12.49	14.99
26944	Jacquard	SolarFast 8 Fl Oz No 901, Thickener	12.49	14.99
26945	Jacquard	SolarFast 8 Fl Oz No 902, Wash	9.58	11.49
19178	PermaJet	Digital Transfer Film, A4, Pack of 10	14.96	17.95
19179	PermaJet	Digital Transfer Film, A4, Pack of 50	58.29	69.95
19180	PermaJet	Digital Transfer Film, A3, Pack of 10	24.96	29.95
19181	PermaJet	Digital Transfer Film, A3, Pack of 50	108.30	129.95

Jacquard SolarFast Starter Kit

In addition to the 14 individual dyes, you can buy a kit with everything you need to experiment with SolarFast for under £32.

Ideal for creating one-of-a-kind T-shirts or other unique sun prints on paper and fabric, the package includes three of the most popular colours (Orange, Violet and Blue) that you apply to the surface, expose to sunlight, and watch the colour magically appear!

Photograms, shadow prints, hand-drawn designs, and photographic prints can all be created using this kit. The kit includes three sheets of inkjet film, which can be run through any inkjet printer to produce a negative film when you want to create a photo print. To make all images stable, you remove the undeveloped dye using SolarFast Wash (by washing in the washing machine), and you are done - no heat setting or chemical fixing is necessary.

Kit contents:
- 3x 2oz/59 ml bottles of SolarFast (Orange, Violet and Blue)
- 1x 2oz/59 ml bottle SolarFast Wash
- Jacquard Film Marker
- 6 Small Sponges
- Gloves
- 8 T-Pins
- 3 Sheets SolarFast Film
- Backerboard
- Cotton Test Fabric
- Quick Start Guide
- Instructions

inkAID Transferiez

NEW

inkAID Transferiez™ Concentrate is an image transfer medium used to transfer images from inkAID Transfer Film to metal, wood, glass, plastic, paper, fabric and leather with pigment-based inks.

Instructions for using this product and how to do the Image Transfer Process can be found on the inkAID website.91% Isopropyl Alcohol (IPA) is also needed to prepare the Transferieze Transfer Medium solution.

It has excellent flexibility and chemical, water, and UV resistance. After dissolving in isopropyl alcohol, a transparent solution is coated onto the substrate, serving as the wet receiving layer in the image transfer process. Upon drying, the image can be protected with water-based top coatings. Always test top coatings on sample pieces first.

inkAID – Print On Any Surface

This innovative medium lets you use your inkjet printers to print onto just about any relatively flat surface, giving the photographic artist the ability to create textures and surfaces never before possible.

inkAID coating comes in a bright white, matte surface or a clear semi-gloss. Printed images are clear and vibrant, with deep blacks. One moderate to heavy coat is recommended on surfaces like watercolour and printmaking papers, Japanese rice paper and other handmade and speciality papers, fabrics, canvas, wallpaper, metals, films, and wood veneer. A second coat may be applied on more porous surfaces if needed. inkAID is very water-resistant, and prints can be coated with water-based top coatings and varnishes. There are new coating surface options this year, so check out the website.

PHOTO TRANSFER MEDIUM

Code	Brand	Product	Description	Ex VAT	Inc VAT
26988	Amsterdam	Photo Transfer Gel, 500ml	Transfer your copied images to any medium	13.33	15.99
26996	inkAID	Iridescent Coating Sample Set	Apply photos to papers, canvas, fabric, leather etc	52.49	62.99
26997	inkAID	Iridescent Pearl Coating 473ml (16oz)	Apply an iridescent-type pearl photo to papers, canvas, fabric, leather etc	39.99	47.99
26999	inkAID	White Matte Coating 473ml (16oz)	Apply photos paper, canvas, leather, plexiglas etc	33.33	39.99
27000	inkAID	Clear Semi Gloss Precoat 473ml (16oz)	Apply photos to papers, canvas, fabric, leather etc	33.33	39.99
27007	inkAID	Clear Gloss Precoat Type II 473ml (16oz)	Apply photos to non porous material like metals and ceramics etc.	38.33	45.99
27010	inkAID	Transferiez Image Transfer Medium 473ml (16oz)	Transfer images from inkAID Transfer Film to metal, wood, glass, plastic, paper, fabric and leather with pigment-based inks.	34.16	40.99
27011	inkAID	Transferiez Transfer Sheets, 8.5 x 11 inches, 25 sheets	Transfer images using this film to metal, wood, plastic, paper, fabric and leather with pigment-based inks.	44.16	52.99
27016	inkAID	Transferiez Transfer Starter Kit	Starter kit to transfer images using this film to metal, wood, glass, plastic, paper, fabric and leather with pigment-based inks.	20.83	24.99

Foma Blue Toner

Czech manufacturer Foma makes a blue toner for all printmakers to use. Available at a very reasonable price, Fomatoner Indigo toner gives a deep cobalt blue to an electric blue tone to photo papers and films.

To prepare a one-bath toner, you use both 250ml liquid parts (A + B) mixed and diluted with water, with the intensity of resulting colour depending on dilution, temperature and toning time. Toning occurs in daylight at an average temperature of 20 - 25 degrees C. Dilution 1 + 1 to 1 + 4.

Photo Transfer Gel

Amsterdam Photo Transfer Gel is a medium that lets you transfer your photocopies and laser images to any new surface including pillows, canvases, ceramic tiles, mirrors, old wood, chalk and milk painted surfaces, any fabric, etc.

To use it, you first need to invert (reverse) your image either on your phone or in an image editing software program like Photoshop Elements. Then prepare the paper on the print side, then press it onto the transfer medium. After drying for 24 hours Afterwards, you can paint over the transferred image with acrylic paint or varnish to waterproof when dry. Full instructions are included.

Note: This product is not suitable for inkjet prints.

Sepia Toning is so easy

Toning brings to life tired mono prints or brings out a highlight in a small area. All you need is a sink, two developing dishes and two 600ml measuring cylinders, with the bonus of doing most of the work with the lights on!

Our most popular toner is sepia, possibly because it creates nostalgic results. Buy sulphide or triponal/variable options that create yellow-brown colours from £7.29, including VAT.

Permajet Digital Transfer Film

PermaJet transparent inkjet film is perfect for sun printing that requires a negative. It is a fast-drying, water-resistant film with enhanced clarity and weight of 165u and works with dye or pigment inks such as Ultrachrome K3. It produces a high-quality image by handling much more ink than average.

Our website has a handy PDF fact sheet that tells you how to reverse your original image, printer settings and output tweaking. PermaJet transfer film has the advantage of being available in small, 10-sheet packs for experimental projects.

It also allows you to print in the darkroom onto traditional photographic paper. You can enter the magical world of darkroom printing with a digital camera and inkjet printer.

Fotospeed Toner Kits

Fotospeed's best-selling ST20 Sepia and RT20 Copper Red toners offer "classic" toning for black and white darkroom prints. Each of their kits comes with a 500ml concentrate. The ST20 Sepia will cover 150 sheets of 8x10-inch paper, and it can produce a broad range of sepia tones on fibre- and resin-coated B&W papers.

The RT20 Red will cover 80 sheets; it comes as a two-part concentrate, making a single solution. When the print is in the solution, you achieve the copper/red tone.

Blue Toner: Check for reintroduction of Fotospeed Blue Toner at www.firstcall-photo.com or call us.

TRANSPARENCY FILM & TONERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
13043	Foma	Fomatoner Indigo Blue Toner, 2 x 250ml	For film or paper, makes up to 2 litres	13.33	15.99
13044	Foma	Fomatoner Sepia Toner, 2 x 250ml	For paper, daylight 2-bath process makes up to 2 litres	13.33	15.99
13033	Fotospeed	ST20 Variable Sepia Toner, 150ml	Covers 75s of 8 x 10in., makes 1.5 litres	9.89	11.87
13035	Fotospeed	ST20 Variable Sepia Toner, 500ml	Covers 150s of 8 x 10in., makes 5 litres	18.64	22.37
13036	Fotospeed	RT20 Copper Red Toner, 150ml	Covers 24s of 8 x 10in., makes 1.5 litres	9.28	11.14
13038	Fotospeed	ST20 Variable Sepia Toner, 5 litres	Covers up to 1500 sheets of 8 x 10in., makes 50 litres	107.50	129.00
13052	Fotospeed	ST10 Odourless Sepia Toner, 100 ml	Non variable, makes 1 litre	6.08	7.29
26973	Ilford	Selenium Toner, 1 litre	Re-useable, makes 10 litres	34.16	40.99
25112	Kodak	Rapid Selenium Toner, 946 ml	Makes up to 20 litres	24.24	29.09
27001	Rockland	Halochrome Silver Toner, 240ml	Silver on white effect, covers forty 8x10 prints	37.50	45.00
27002	Rockland	Printint Colour Kit	Make pastel papers out of B&W prints, for 40s 8 x 10in.	29.17	35.00
27003	Rockland	FA-1 Sensitizer, makes 946ml	Lets you put photos onto material - brown/black images	36.91	44.29
27008	Rockland	SelectaColor Kit, 4oz	Selective colourizing prints, four colours, 4oz	33.99	40.79
27009	Rockland	Polytoner Toner Kit	Tone your prints any colour, covers 40s 8 x 10in.	34.99	41.99
27017	Rockland	PrintScreen Emulsion, 474ml	Make photo silkscreens without special equipment	34.99	41.99
19178	PermaJet	Digital Transfer Film, A4, Pack of 10	165gsm	14.96	17.95
19179	PermaJet	Digital Transfer Film, A4, Pack of 50	165gsm	58.29	69.95
19180	PermaJet	Digital Transfer Film, A3, Pack of 10	165gsm	24.96	29.95
19181	PermaJet	Digital Transfer Film, A3, Pack of 50	165gsm	108.30	129.95

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

Sidebar (left margin, vertical tabs): Black & White and Colour Paper · Paper Chemicals · No Darkroom · Alternative Process · RAW Chemicals · Inkjet Paper · Inkjet Cartridges · Print Storage · Mounting · INDEX

Alternative Processes from LabOldTech

We list the Platinum/Palladium Kit (Kit 3), and a comprehensive range of Alternative Process supplies from LabOldTech of Italy.

They differ in two significant ways from our other Alternative Process suppliers:

1) They cover the complete range of processes in kits with everything you need in one box. These include Platinum, Palladium, Ziatype, Wet Plate Collodion, Cyanotype, Gum Bichromate, Van Dyke and Kallitype

2) You can replace each part of the kit from component supplies

Kit and spare contents available to order.

Email us if you want to order or know more about this new range.

LABOLDTECH

Code	Product	Description	Ex VAT	Inc VAT
27012	Platinum/Palladium Combo Print Kit (Kit 3)	Everything you need for these two alternative processes	350.00	420.00
27030	Sodium Tetrachloropalladate sol. 17%, 50ml	Replenishment sensitizer – Solution A	351.67	422.00
27031	Potassium Tetrachloroplatinite sol. 20%, 25ml	Replenishment sensitizer – Solution A	212.50	255.00
27032	Ferric Oxalate sol.27%, 25ml	Replenishment sensitizer – Solution B	11.91	14.29
27033	Ferric Oxalate+Potassium Chlorate sol.27%, 25ml	Replenishment sensitizer – Solution C	12.16	14.59
27034	Ammonium Citrate Dibasic, 500gm	Replenishment developer	27.74	33.29
27035	Tetrasodium EDTA Crystals, 1000gm	Clearing Bath	26.67	32.00
27036	Sodium Sulphite Anhydrous, 1 kg	Clearing Bath	12.08	14.50
27037	Sodium Cloroplatinate (Na2) sol. 5%, 100ml	Replenishment sensitizer – Solution C – used in place of the Iron Oxalate with contrast	175.83	211.00

Rockland Colloid Tintype Kit

Tintype is an old process and is considered to be an art form. Developed around 1856, many members of the public had their first portraits captured using this process.

Images were reproduced on metals, so tintypes were inexpensive and produced reasonably quickly. Due to the yellow emulsion colour, the picture looked old, something that today's darkroom users find attractive about this alternative process.

Rockland's Tintype Kit, often called a Parlour Kit, is an authentic re-creation of the tintype process, a type of instant photography favoured in your great-grandparent's day.

These are safe, dry-plate tintypes, also known as ferrotypes, like those found in antique shops, not modern imitations. Plates are thin enough to cut with scissors to fit inside any camera. The kit contains everything you need to make tintypes (or ambrotypes if coated on glass.)

You get eight 4 x 5-inch matte black anodised aluminium plates, high-sensitivity Liquid Light emulsion for coating, particular tintype developer, fixer and complete instructions for use in the kit. Repeat supplies of plates, emulsion and developer are all available from us.

Fotospeed Argyrotype Kit

Argyrotype prints are warm-toned, giving good contrast and mid-tone definition. This process also uses a silver-based sensitising solution coated onto quality art paper.

Exposure is by natural sunlight, and development is in water with fixation using a simple hypo solution. Being silver-based, they can then be toned and dyed as they would have been in the early days. You make all images using the contact system, where the image depends on a negative of the correct size. In the kit, you get everything you need.

Fotospeed Liquid Emulsion

This Grade 2, light-sensitive product is developed and fixed on any black and white paper. You heat it in a water bath, allowing it to melt. Complete instructions for coating and exposure come with the product. This economical 250ml pack will make 1.25 litres of Liquid Emulsion and coat the equivalent of 125 8 x 10 prints. Usually, the dilution of LE30 is 1+2, but 1+4 solutions are achievable (i.e.,.1.25 litres) by using a subbing layer first. This means putting an undercoat of the solution onto the surface first, followed by a topcoat.

Rockland Liquid Light Emulsion

This "higher" Grade 3 emulsion offers more versatility as, unlike Fotospeed, it comes pre-mixed. It is easy to apply and covers about 25 8 x 10-inch sheets or equivalent from the 240ml bottle. It is non-toxic, odour-free, diluted and ready for use. When used with filters, we recommend that the emulsion be well-dried after coating.

Rollei Black Magic Liquid Emulsion

Rollei's Black Magic offers a complete modular system with interchangeable components in Graded (G3) or VC (G0-4) options. It's so simple, too, because you get EVERYTHING you need in one 300ml kit, including emulsion, gelatine for hardening, (light-tight) wide-mouth pouring bottle, and enough tailored chemicals to develop your images to perfection. For example, Rollei not only provides a neutral developer, fixer and odourless stop but also the all-important developer hardener to make sure your image lasts. In addition, exceptional archival qualities are offered by them, adding a minimum quantity (0,1%) of a powerful fungicide and bactericide (phenol) for long-term conservation. When you've used some of your initial kit all component parts are available separately for replenishment.

ALTERNATIVE PROCESSES AND LIQUID EMULSIONS

Code	Brand	Product	Description	Ex VAT	Inc VAT
13086	Fotospeed	Argyrotype Kit	All you need for alternative silver prints	40.93	49.12
13087	Fotospeed	Argyrotype Sensitizer 50ml	Replacement sensitizer for the Argyrotype Kit	24.99	29.99
13088	Fotospeed	LE30 Liquid Emulsion, 250ml	Economy size, makes 1.25 litres	37.49	44.99
27004	Rockland	Liquid Light, 240ml	Covers 30 sheets of 8 x 10in.	47.50	57.00
27013	Rockland	Tintype Parlor Kit	Create eight 4 x 5in. Colloid tintypes using this all-in-one kit	40.83	49.99
27014	Rockland	Tintype & Ambrotype Developer	Uses to develop coated tintype or ambrotypes (glass)	29.16	34.99
27015	Rockland	Tintype Replacement Plates - 4 x 5 inch, Pack of 10	Replenishment plates for the Tintype Kit	9.16	10.99
27017	Rockland	PrintScreen Emulsion, 474ml	Make photo silkscreens without special equipment	34.99	41.99
41121	Rollei	Black Magic Kit, Graded	Everything you need to make perfect photo emulsion prints	67.49	80.99
41122	Rollei	Black Magic Kit, VC	Everything you need to make perfect photo emulsion prints	72.49	86.99
41123	Rollei	Black Magic RBM2 Emulsion, Graded 300ml	Liquid emulsion, coats up to 40 8x10 inch prints	36.66	43.99
41124	Rollei	Black Magic RBM3 Emulsion, VC 300ml	Liquid emulsion, coats up to 40 8x10 inch prints	42.49	50.99
41125	Rollei	Black Magic RBM4 Photo Gelatine,100ml	Optional pre-coat in the RBM system	21.66	25.99
41126	Rollei	Black Magic RBM5 Developer Hardener, 250ml	Optional hardener to protect the emulsion in the RBM system	8.91	10.69
41129	Rollei	Black Magic RBM3 Emulsion, VC 1000ml	Liquid emulsion, coats up to 130 8x10 inch prints	115.83	139.00

RAW PHOTOGRAPHIC CHEMICALS

Bellini Foto is a premium chemistry manufacturer from Italy that produces a wide range of RAW Chemistry, all of which is available from Firstcall.

Have you ever wanted to make your film developers or ancillaries? Well, now you can. Whether it's your own ID11, Rodinal or Pyro concoctions you want to mix, Bellini lets you make it happen.

We also recommend Stephen Anchell's Film Developing Cookbook to go with them, but we will happily provide free recipe sheets on request. Small jars and bottles for use with these new chemicals can be found on page 37.

All chemicals have MSDS sheets on our website to go with them.

Bellini Sodium Carbonate

Sodium carbonate anhydrous is one of the principle alkalies (accelerators) in development formulas, sometimes known as Washing Soda, Carbonate of Soda or Carbonic Acid. It improves differentiation between exposed and unexposed crystals of silver halide and thus reduces fog during development.

It can also be used as a toning bath additive or post-fixer clearing bath.

It has a molecular formula of Na_2CO_3.

Please note: Sodium carbonate releases gas when added to an acid stop bath or an acid fixing bath; this gas may cause pinholes that look like blistering of your film emulsion.

Bellini Potassium Bromide

Potassium bromide is used as a restrainer in many black-and-white developer formulas, especially those containing hydroquinone, pyrocatechin, or pyrogallol. It improves differentiation between exposed and unexposed crystals of silver halide and thus reduces fog during development.

When used by paper developers, it also reduces contrast and provides a warming effect. It can also be utilised as a bleach additive or toner additive.

It has a molecular formula of KBr.

Bellini Hydroquinone

This high contrast developing agent is the most popular ingredient in many film and print developers, and no home-developing cookbook is complete without it as, with the compound metal, it reduces silver halides to elemental silver.

We have many recipes from traditional suppliers using Hydroquinone, which you can request from us. It has a molecular formula $C_6H_4(OH)_2$.

Jacquard Pinata Inks

Jacquard Pinata Alcohol Inks are a revolutionary colouring medium that will appeal to photographers and artists alike.

They are highly saturated, fast-drying inks with an alcohol base. Because of that, they can be used to hand colour a multitude of surfaces, including photographic prints, ceramics, glass, resin, paper, metal, plastic, ceramic, stone, leather, resin, polymer clay and more or YUPO. If you make a mistake, you "paint away" your mistake back to the bare print using the Clean Up Solution. And this process works even AFTER the ink has long dried the following day. They even work on inkjet prints.

BELLINI CHEMICALS

Code	Product	Description	Ex VAT	Inc VAT
27460	Acetic Acid, 80%, 1 litre	Used to make stop baths, acidifying, fixers, intensifiers and toners.	9.91	11.89
27461	Ascorbic Acid, 50 grams	Also know as Vitimin C developer	9.91	11.89
27462	Boric Acid, 50 grams	Fine grain developer additive	8.16	9.79
27463	Citric Acid, 1H20, 500 grams	For making odour-free stopbath and additive	6.24	7.49
27464	AntiFog Agent, 1-Phenyl-5-mercaptotetrazole, 5grams	Anti fogging agent for out-of-date paper	16.41	19.69
27465	Silver Nitrate, 10 grams	Used in Kallitype and Van Dyke Brown printing, emulsion making and is a main ingredient of Printing Out Paper.	18.83	22.59
27466	Borax, 100 grams	A mild alkali/accelerator for fine grain developers	4.16	4.99
27467	Dimezone S, 10 grams	A mild alkali/accelerator for fine grain developers	12.41	14.89
27468	Hydroquinone, 50 grams	High contrast developing agent	9.91	11.89
27469	Metol, 50 grams	Soft working developing agent	11.66	13.99
27470	Phenidone A, 10 grams	Soft working developing agent	8.16	9.79
27471	Pyrogallol, 50 grams	Developing and tanning development agent	37.49	44.99
27472	Potassium Bromide, 250 grams	Developer restrainer/ anti foggant and additive	11.58	13.89
27473	Sodium Carbonate, anhydrous, 500 grams	Developer alkali/accelerator	4.99	5.99
27474	Sodium Hexametaphosphate, Calgon, 500 grams	Water softner	8.16	9.79
27475	Sodium Thiosulphate, Pentahydrate version 1 kg.	A standard and universal fixing agent	7.49	8.99
27476	Sodium Bisulphite (Metabisulphite), 1 kg.	Developer preservstive and buffering agent	9.91	11.89
27477	Sodium Suphite, anhydrous, 1 kg.	Developer preservitive and silver solvent	9.08	10.89

JACQUARD PINATA INKS

Code	Brand	Product	Ex VAT	Inc VAT
26948	Jacquard	Pinata Ink 14.8ml, No 1025, Burro Brown	4.16	4.99
26949	Jacquard	Pinata Ink 14.8ml, No 1027, Havana Brown	4.16	4.99
26950	Jacquard	Pinata Ink 14.8ml, No 1029, Shadow Grey	4.16	4.99
26951	Jacquard	Pinata Ink 14.8ml, No 1031, Mantilla Black	4.16	4.99
26952	Jacquard	Pinata Ink 14.8ml, No 1033, Silver	4.16	4.99
26953	Jacquard	Pinata Ink 14.8ml, No 1019, Baja Blue	4.16	4.99
26954	Jacquard	Pinata Ink 14.8ml, No 1002, Sunbright Yellow	4.16	4.99
26955	Jacquard	Pinata Ink 14.8ml, No 1011, Senorita Magenta	4.16	4.99
26956	Jacquard	Pinata Ink 14.8ml, No 1005, Calabaza Orange	4.16	4.99
26957	Jacquard	Pinata Ink 14.8ml, No 1023, Rainforest Green	4.16	4.99
26958	Jacquard	Pinata Ink 14.8ml, No 1013, Passion Purple	4.16	4.99
26959	Jacquard	Pinata Ink 14.8ml, No 1030, Blanco White	4.16	4.99
26960	Jacquard	Pinata Ink 14.8ml, No 1032, Rich Gold	4.16	4.99
26961	Jacquard	Pinata Ink 29.6ml, No 1001, Claro Extender	4.16	4.99
26962	Jacquard	Pinata Ink 29.6ml, No 1000, Clean Up Solution	4.16	4.99

INKJET PAPER

Firstcall InkJet Paper 260gsm Heavyweight

Our ultra-white, smooth, water-resistant resin-coated paper prints well with dye and pigment inks. It is used by professionals and consumers wanting to produce the best possible hardcopy digital prints. For those photographers who are serious about digital photography, it offers excellent image quality and similarity to traditional halide prints and has a fade-resistant microporous coated heavyweight base. Every photo department can save money by using this paper.

BUY TWO GET ONE FREE

See page 53

Fotospeed InkJet Paper

Fotospeed's PF 270gsm paper range is a worthy alternative to our paper, albeit slightly more expensive. It has the look and feel of a traditional photo and is excellent with pigment inks but is equally suited to ordinary dye-based printers. It has the advantage of coming with Custom ICC profiles, which are Free of Charge from Fotospeed, thereby giving precise ink distribution.

For this reason, it is the most versatile of all the photo inkjet papers we sell, and due to its low cost, it represents the best value currently on offer.

Fotospeed also offers a 290gsm paper called Photo Smooth Pearl, a natural white heavyweight RC with a crisp finish and a superb colour gamut. It is also instant dry, suitable for both Dye and Pigment ink.

Fotospeed's everyday matt paper is called Matt Ultra. This 240gsm paper is excellent with pigment inks and traditional dye-based printers. It renders a beautiful, smooth, bright-white finish, and monochrome images are suited to this paper.

Firstcall, Matt InkJet Paper

Smooth Art Matte 210gsm

Our smooth matt RC paper offers a natural white art watercolour paper designed for value-orientated, high-volume printmakers. The surface emulates an etching paper and is excellent for décor art, portraiture and poster reproduction. The paper is compatible with dye and pigment ink systems, giving exceptional colour gamut, and is produced to archival standards. Made from alpha cellulose, it has a slightly textured matte surface and is acid-lignin-free and instant dry.

INKJET PAPER

Code	Brand	Product	Ex VAT	Inc VAT
89100	Firstcall	Photo Heavyweight Glossy (Olmec), A4, Pack of 50	16.66	19.99
89102	Firstcall	Photo Heavyweight Glossy (Olmec), A3, Pack of 50	31.66	37.99
89119	Firstcall	Photo Heavyweight Gloss (Olmec), A3+, Pack of 50	39.99	47.99
89131	Firstcall	Photo Heavyweight Gloss (Olmec), A2, Pack of 50	52.49	62.99
89116	Firstcall	Photo Heavyweight Glossy (Olmec), Roll, 17 inch x 30m	48.33	57.99
89098	Firstcall	Photo Heavyweight Glossy (Olmec), Roll, 24 inch x 30m	62.49	74.99
89101	Firstcall	Photo Heavyweight Satin (Olmec), A4, Pack of 50	16.66	19.99
89103	Firstcall	Photo Heavyweight Satin (Olmec), A3, Pack of 50	31.66	37.99
89118	Firstcall	Photo Heavyweight Satin (Olmec), A3+, Pack of 50	39.99	47.99
89017	Firstcall	Photo Heavyweight Satin (Olmec), A2, Pack of 50	52.49	62.99
89117	Firstcall	Photo Heavyweight Satin (Olmec), Roll, 17 inch x 30m	48.33	57.99
89099	Firstcall	Photo Heavyweight Satin (Olmec), Roll, 24 inch x 30m	62.49	74.99
89122	Firstcall	Heavyweight Photo Lustre (Olmec), A4, Pack of 50	16.66	19.99
89121	Firstcall	Heavyweight Photo Lustre (Olmec), A3, Pack of 50	31.66	37.99
89120	Firstcall	Heavyweight Photo Lustre (Olmec), A3+, Pack of 50	39.99	47.99
89111	Firstcall	Photo Lightweight Glossy (Olmec), A4, Pack of 100	20.83	24.99
89113	Firstcall	Photo Lightweight Glossy (Olmec), A3, Pack of 100	41.66	49.99
89138	Firstcall	Photo Lightweight Glossy (Olmec), A3+, Pack of 100	52.49	62.99
89150	Firstcall	Photo Lightweight Glossy (Olmec), A2, Pack of 100	82.49	98.99
89112	Firstcall	Photo Lightweight Lustre (Olmec), A4, Pack of 100	20.83	24.99
89114	Firstcall	Photo Lightweight Lustre (Olmec), A3, Pack of 100	41.66	49.99
89137	Firstcall	Photo Lightweight Lustre (Olmec), A3+, Pack of 100	52.49	62.99
89139	Firstcall	Photo Lightweight Lustre (Olmec), A2, Pack of 100	82.49	98.99
89132	Firstcall	Photo Matte Archival (Olmec), A4, 100 S	16.24	19.49
89133	Firstcall	Photo Matte Archival (Olmec), A3, 100 S	31.66	37.99
89134	Firstcall	Photo Matte Archival (Olmec), A3+, 100 S	39.99	47.99
89135	Firstcall	Photo Matte Archival (Olmec), A2, 100 S	62.49	74.99
89136	Firstcall	Photo Matte Archival (Olmec), 17in Roll x 30m	39.99	47.99
89108	Firstcall	Smooth Art Matte (Olmec), A3, Pack of 50	43.33	51.99
89107	Firstcall	Smooth Art Matte (Olmec), A4, Pack of 50	21.66	25.99
13470	Fotospeed	Pigment Friendly, Glossy, A4, Pack of 50	22.91	27.49
13471	Fotospeed	Pigment Friendly, Glossy, A4, Pack of 500	163.16	195.79
13472	Fotospeed	Pigment Friendly, Glossy, A3, Pack of 50	40.32	48.39
13473	Fotospeed	Pigment Friendly, Glossy, A3+ size, Pack of 50	50.41	60.49
13467	Fotospeed	Pigment Friendly Lustre 275, A4, Pack of 50	22.91	27.49
13468	Fotospeed	Pigment Friendly Lustre 275, A4, Pack of 500	173.24	207.89
13469	Fotospeed	Pigment Friendly Lustre 275, A3, Pack of 50	40.32	48.39
13476	Fotospeed	Pigment Friendly Lustre 275, A3+, Pack of 50	54.41	65.29
13481	Fotospeed	Pigment Friendly, Satin, A4, Pack of 500	66.67	80
13560	Fotospeed	Photo Smooth Pearl 290gsm, A4, 50 Sheets	22.91	27.49
13566	Fotospeed	Photo Smooth Pearl 290gsm, A4, 100 Sheets	39.41	47.29
13561	Fotospeed	Photo Smooth Pearl 290gsm, A3, 50 Sheets	41.24	49.49
13562	Fotospeed	Photo Smooth Pearl 290gsm, A3+, 25 Sheets	31.16	37.39
13563	Fotospeed	Photo Smooth Pearl 290gsm, A2, 25 Sheets	50.41	60.49
13564	Fotospeed	Photo Smooth Pearl 290gsm, 17in Roll, 30m	81.57	97.89
13565	Fotospeed	Photo Smooth Pearl 290gsm, 24in Roll, 30m	106.32	127.59
13460	Fotospeed	Proofing Paper, Matt, A4, Pack of 100	17.33	20.79
13461	Fotospeed	Proofing Paper, Matt, A3, Pack of 100	32.99	39.59
13490	Fotospeed	Matt Ultra, A4, Pack of 50	16.49	19.79
13491	Fotospeed	Matt Ultra, A4, Pack of 100	26.57	31.89
13492	Fotospeed	Matt Ultra, A3, Pack of 50	30.52	36.62
13493	Fotospeed	Matt Ultra, A3+ size, Pack of 50	42.16	50.59
89123	Innova	Olmec Premium Photo Pearl, A4, Pack of 50	22.49	26.99
89124	Innova	Olmec Premium Photo Pearl, A3, Pack of 50	44.99	53.99
89125	Innova	Olmec Premium Photo Pearl, A3+, Pack of 50	56.58	67.89
89126	Innova	Olmec Premium Photo Pearl, A2, Pack of 50	81.24	97.49
89127	Innova	Olmec Premium Photo Pearl, Roll, 17 inch x 15 metre	70.66	84.79
89163	Innova	RC Photo Premium Matte, A4, 50 sheets	22.08	26.49
89164	Innova	RC Photo Premium Matte, A3, 50 sheets	44.16	52.99
89165	Innova	RC Photo Premium Matte, A3+, 50 sheets	52.91	63.49
89166	Innova	RC Photo Premium Matte, A2, 50 sheets	83.74	100.47
89167	Innova	RC Photo Premium Matte, 17inch x 30m roll	83.74	100.49
89160	Innova	Pictorico Pro OHP Ultra Transparency Film, A4, Pk20	29.99	35.99
89161	Innova	Pictorico Pro OHP Ultra Transparency Film, A3+, Pk20	57.49	68.99
89162	Innova	Pictorico Pro OHP Ultra Transparency Film, 17-inch roll x 20m	149.99	179.99
89159	Innova	Pictorico Pro OHP Ultra Transparency Film, 24-inch roll x 20m	208.33	249.99

THREE-FOR-TWO OFFER UNDER £14* A BOX

With Firstcalll InkJet papers, we offer a 3-for-2 offer, making it as cheap as just £13.33 for a box of A4 50 sheets.

The Three-For-Two deal applies to all A4 packs of the resin-coated paper – Glossy and Satin. To qualify for the third box FREE, place your order in multiples of 2, and we will add the third one automatically.

You cannot include the A3 packs or the Fibre-based paper in the offer, which closes on 31st March 2025

The price (£13.33) includes VAT for each of the three boxes you receive.

Fotospeed Proofing InkJet Paper

Sometimes, you need inexpensive, high-quality, medium-weight, matt paper for presentation & image proofing. This is where Fotospeed can help. They produce a paper that saves you money by printing out your image initially on this cheaper paper before final production. For students, we recommend it as a low-cost matt paper - it is thinner than the other matt papers but is equally presentable for portfolios.

The Fotospeed Proofing Paper is 170gsm and single-sided and costs 21p a sheet.

Epson InkJet Paper

If you want to buy only paper from the printer manufacturer's range, we stock a wide variety of photo papers from Epson.

Epson offers a comprehensive range of everyday papers, and because we all want an easy life, even if it costs us a little bit more, there's a reason to buy their papers. You will find all these papers, preset in the printer's settings, all with a simple drop-down list. Just match the paper to the menu; you will get perfect prints every time.

Nothing underlines this fact more than Epson SO42155 Premium Glossy Photo Paper, A4, in packs of 15. It is more expensive than alternative brands, but you will get perfect A4 prints quickly.

Our second-best seller is their Semigloss range, which we stock from A4 to A2 for portfolio purchases.

Innova RC Photo Premium Matte

Have you ever longed for an inkjet paper that gives you emulation of an actual photograph without looking like an inkjet print? Well, this new Innova paper does that and a whole lot more. We'd go so far as to say this is the best new inkjet paper in 25 years.

The reason for the praise is that being an RC paper, it's easy to use but features a stunning flat matte finish and super smooth surface, eliminating surface reflections. When we printed a monochrome shot, it was challenging to tell whether the print was Ilford Multigrade Satin due to its exceptional D Max.

Compatible with pigment and dye inkjet printers, the resin-coated base includes an anti-curl layer. It is ideal for printing large or small format displays. The surface can reproduce a wide colour gamut and deep tonal range, making this paper a popular choice for work across the creative spectrum, including photos, posters and retail-ready art prints.

Innova Olmec Premium Photo Pearl

A premium, luxurious, ultra-white resin-coated inkjet photo paper that will do any image justice. It has a slightly textured stippled surface to give a subtle silky sheen to your finished image. It has a microporous coating, is touch dry when printed, and is water resistant.

The iridescent surface of this paper gives your images a unique feel, ideal for display in environments where high gloss finishes may cause reflections. The pearl finish provides a subtle sheen, maintains an excellent tonal range, and, at 310gsm, gives each print a lovely quality feeling.

EPSON INKJET PAPER

Code	Brand	Product	Ex VAT	Inc VAT
24606	Epson	SO42538, Photo Glossy Paper, A4, Pack of 20	11.91	14.29
24612	Epson	SO42155, Premium Glossy Photo Paper, A4, Pack of 15	15.83	18.99
24615	Epson	SO41315, Premium Glossy Photo Paper, A3, Pack of 20	33.91	40.69
24616	Epson	SO41316, Premium Glossy Photo Paper, A3+, Pack of 20	24.99	29.99
24617	Epson	SO41332, Premium Semigloss Photo Paper, A4, Pack of 20	16.66	19.99
24619	Epson	SO41328, Premium Semigloss Photo Paper A3+, Pack 20	23.83	28.59
24624	Epson	SO42093, Premium Semigloss Photo Paper, A2, Pack of 25	44.16	52.99
24627	Epson	SO41061, Photo Quality Ink Jet Paper A4, Pack of 100	13.33	15.99
24628	Epson	SO41069, Photo Quality Ink Jet Paper, A3+, Pack of 100	53.33	63.99
24632	Epson	SO41256, Matte Paper Heavyweight, A4, Pack of 50	11.58	13.89
24633	Epson	SO41261, Matte Paper Heavyweight, A3, Pack of 50	16.04	19.25

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

Firstcall Baryta Fine Art 310gsm

Our actual Baryta paper offers the lowest entry point into Fine Art printing.

Consisting of an alpha-cellulose, acid-free pure white paper with the same barium sulphate coating as for traditional silver halide and a premium inkjet colour receiver layer, it gives a similar quality to many more highly-priced alternatives. Optimised for pigmented inks, it dries instantly and is water-resistant. It is also internally buffered to resist gas fading and maximise the conservation of your prints, and being acid-free makes it less prone to paper degradation. Available from A4 through to 17-inch rolls.

Fotospeed Fine Art

No other company produces such a choice of fine-art, high-quality yet relatively affordable papers.

The Fotospeed range of fine art inkjet papers can appear a little overwhelming. The way to choose your paper is to "drill-down" into the type of paper you require and the texture or surface, then the base tint should be more natural to select correctly.

Types of paper include fibre base (Baryta), cotton or canvas. Textures include smooth, unglazed gloss, textured or matt. Base tint choice is white, high white, neutral or ivory.

We list our selected range with descriptions. Many more are available to order for a 3-day delivery service.

Canson Baryta Photographique

Canson's Baryta Photographique is similar to Fotospeed's Platinum Baryta but a little heavier and with a slightly whiter base. It is a past TIPA award winner for best inkjet paper and one of the first all fibre stock papers.
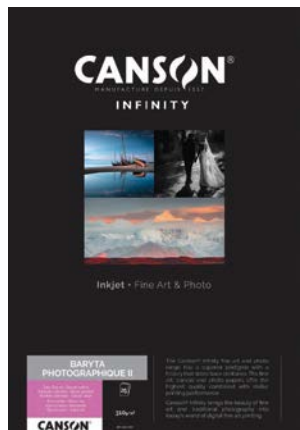
For greater stability and consistency across viewing conditions, Canson papers do not contain any Optical Brightening Agents (OBAs). However, Canson media is still a bright white, with excellent print density and contrast range.

Firstcall Cotton and Smooth Gloss Papers

We offer a warm-tone version of our standard Baryta paper called Exhibition Cotton Gloss, which is ideal for traditional

darkroom printers and renders beautiful, smooth gloss-grained prints due to its 100% cotton construction. Our Ultra Smooth Gloss looks like a soft satin in some RC papers, but this is a high-white alpha-cellulose, fibre-quality paper. Both papers are acid and lignin-free, meaning they are great fine-print archival papers.

FINE ART INKJET PAPER

Code	Brand	Product	Ex VAT	Inc VAT
32340	Canson	Baryta Photographique II 310, A4, Pack of 25	34.16	40.99
32341	Canson	Baryta Photographique FB, A3, Pack of 25	59.99	71.99
32342	Canson	Baryta Photographique FB, A3+, Pack of 25	54.99	65.99
32343	Canson	Baryta Photographique FB, A2, Pack of 25	88.33	105.99
32344	Canson	Baryta Photographique II, Roll, 17 inch x 50 feet	124.99	149.99
32345	Canson	Infinity Photo Lustre Premium RC 310, A3+, Pack of 25	57.49	68.99
24635	Epson	SO41342, Archival Matte Paper A4, Pack of 50	15.33	18.4
24636	Epson	SO41344, Archival Matte Paper A3, Pack of 50	31.66	37.99
89104	Firstcall	Baryta Traditional Fibre Fineart, A4, Pack of 25	21.24	25.49
89106	Firstcall	Baryta Traditional Fibre Fineart, A3, Pack of 25	28.74	34.49
89140	Firstcall	Baryta Traditional Fibre Fineart, A3+, Pack of 25	35.83	42.99
89097	Firstcall	Baryta Traditional Fibre Fineart, A2, Pack of 25	80.83	96.99
89115	Firstcall	Baryta Traditional Fibre Fineart, Roll, 17in x 15m	57.49	68.99
89141	Firstcall	Exhibition Cotton Gloss Fineart , A4, Pack of 25	19.16	22.99
89142	Firstcall	Exhibition Cotton Gloss Fineart , A4, Pack of 50	38.33	45.99
89143	Firstcall	Exhibition Cotton Gloss Fineart , A3, Pack of 25	55.83	66.99
89144	Firstcall	Exhibition Cotton Gloss Fineart , A3+, Pack of 25	44.99	53.99
89145	Firstcall	Exhibition Cotton Gloss Fineart , Roll, 17in x 15m	71.66	85.99
89146	Firstcall	Ultra Smooth Gloss Fineart , A4, Pack of 25	18.91	22.69
89147	Firstcall	Ultra Smooth Gloss Fineart , A4, Pack of 50	29.99	35.99
13573	Fotospeed	Smooth Cotton, A4, 25 sheets	28.83	34.59
13572	Fotospeed	Smooth Cotton, A3, 25 sheets	54.91	65.89
13577	Fotospeed	Platinum Baryta, A4, 25 sheets	28.83	34.59
13576	Fotospeed	Platinum Baryta, A3, 25 sheets	55.83	66.99
13579	Fotospeed	Platinum Etching, A4, 25 sheets	21.49	25.79
13578	Fotospeed	Platinum Etching, A3, 25 sheets	42.91	51.49
13600	Fotospeed	Platinum Matt, EG, A4, Pack of 25	21.49	25.79
13602	Fotospeed	Platinum Matt, EG, A3, Pack of 25	41.24	49.49
13601	Fotospeed	Platinum Matt, EG, A3+, Pack of 25	52.74	63.29
13604	Fotospeed	High White Smooth, EG, A4, Pack of 25	28.83	34.59
13606	Fotospeed	High White Smooth, EG, A3, Pack of 25	52.74	63.29
13607	Fotospeed	High White Smooth, EG, A3+, Pack of 25	65.99	79.19
13614	Fotospeed	Platinum Gloss Art Fibre, A4, Pack of 25	29.41	35.29
13615	Fotospeed	Platinum Gloss Art Fibre, A3, Pack of 25	57.74	69.29
13617	Fotospeed	Platinum Gloss Art Fibre, A3+ size, Pack of 25	67.66	81.19
13619	Fotospeed	Platinum Gloss Art Fibre, A2, Pack of 25	112.16	134.59
32375	Hahnemule	Protective Spray, 400ml	16.66	19.99

ALL FOTOSPEED FINE ART PAPERS AVAILABLE

Call or e-mail if your preferred media is not listed

INK JET CARTRIDGES

It is not only the paper that can make a difference in your digital picture-making. Choosing the right inks with the widest colour gamut, archival properties, and density can dramatically affect the outcome of a print. Also, the combination of ink and paper, e.g. pigment ink, as a rule, doesn't work that well on most glossy papers. So, as a rule, we suggest sticking to the printer manufacturer's original inks, except when the budget is of prime importance. It's well known that ink costs twice the price of vintage champagne but aren't some pictures priceless?

Epson Cartridges

We stock the full range of Epson original inks for the following printers:

R3000

Surecolor SC-P700

Surecolor SC-P900

Expression Photo XP-15000

EPSON INKJET CARTRIDGES

Code	Product	Description	Ex VAT	Inc VAT
	Stylus Photo R3000 Cartridges			
40530	T1571, Turtle, Photo Black	Epson Stylus Photo R3000	22.74	27.29
40531	T1572, Turtle, Cyan	Epson Stylus Photo R3000	22.74	27.29
40532	T1573, Turtle, Vivid Magenta	Epson Stylus Photo R3000	22.74	27.29
40533	T1574, Turtle, Yellow	Epson Stylus Photo R3000	22.74	27.29
40534	T1575, Turtle, Light Cyan	Epson Stylus Photo R3000	22.74	27.29
40535	T1576, Turtle, Vivid Light Magenta	Epson Stylus Photo R3000	22.74	27.29
40536	T1577, Turtle, Light Black	Epson Stylus Photo R3000	22.74	27.29
40537	T1578, Turtle, Matte Black	Epson Stylus Photo R3000	22.74	27.29
40538	T1579, Turtle, Light Light Black	Epson Stylus Photo R3000	22.74	27.29
	SureColor SC-P700 Cartridges			
24043	T46S100, 25ml, Photo Black	Epson SureColor SC-P700, 25ml.	24.99	29.99
24044	T46S200, 25ml, Cyan	Epson SureColor SC-P700, 25ml.	24.99	29.99
24045	T46S300, 25ml, Vivid Magenta	Epson SureColor SC-P700, 25ml.	24.99	29.99
24047	T46S400, 25ml, Yellow	Epson SureColor SC-P700, 25ml.	24.99	29.99
24048	T46S500, 25ml, Light Cyan	Epson SureColor SC-P700, 25ml.	24.99	29.99
24049	T46S600, 25ml, Vivid Light Magenta	Epson SureColor SC-P700, 25ml.	24.99	29.99
24050	T46S700, 25ml, Grey	Epson SureColor SC-P700, 25ml.	24.99	29.99
24051	T46S800, 25ml, Matte Black	Epson SureColor SC-P700, 25ml.	24.99	29.99
24052	T46S900, 25ml, Light Grey	Epson SureColor SC-P700, 25ml.	24.99	29.99
24053	T46SD00, 25ml, Violet	Epson SureColor SC-P700, 25ml.	24.99	29.99
	SureColor SC-P900 Cartridges			
24316	T47A1, 50ml, Photo Black	Epson SureColor SC-P900, 50ml.	31.66	37.99
24317	T47A2, 50ml, Cyan	Epson SureColor SC-P900, 50ml.	31.66	37.99
24318	T47A3, 50ml, Vivid Magenta	Epson SureColor SC-P900, 50ml.	31.66	37.99
24319	T47A4, 50ml, Yellow	Epson SureColor SC-P900, 50ml.	31.66	37.99
24320	T47A5, 50ml, Light Cyan	Epson SureColor SC-P900, 50ml.	31.66	37.99
24321	T47A6, 50ml, VividLight Magenta	Epson SureColor SC-P900, 50ml.	31.66	37.99
24322	T47A7, 50ml, Gray	Epson SureColor SC-P900, 50ml.	31.66	37.99
24323	T47A8, 50ml, Matte Black	Epson SureColor SC-P900, 50ml.	31.66	37.99
24324	T47A9, 50ml, Light Gray	Epson SureColor SC-P900, 50ml.	31.66	37.99
24325	T47AD, 50ml, Violet	Epson SureColor SC-P900, 50ml.	31.66	37.99
24326	Maintenance Tank SC-P900 & P700	Epson SureColor SC-P900 and P700	16.66	19.99
	Expression Photo XP-15000 Cartridges			
40603	T4787XL Squirell Multipack	6 inks, 60.5ml, 378/478XL Claria Photo HD ink XP-15000	107.50	129.00

Sidebar navigation (left margin): Black & White, and Colour Paper · Paper Chemicals · No Darkroom · Alternative Process · RAW Chemicals · Inkjet Paper · **Inkjet Cartridges** · Print Storage · Mounting · INDEX

Canon Cartridges

Bring your pictures to life with original Canon inks. We stock ink for all the latest models, from the inexpensive dye-based options to the latest LUCIA PRO range of professional inks, for detailed and reliable results. Their ink systems deliver a variety of deep, rich colours and set your prints apart with outstanding photo permanence.

We stock the full range of Canon original inks for the following printers:

Pro 200

Prograf 300

Prograf 1000

CANON INKJET CARTRIDGES

Code	Product	Fits	Ex VAT	Inc VAT
	PIXMA PRO-200 Cartridges			
40446	CLI-65 BK, Black	Canon PIXMA PRO-200	17.49	20.99
40447	CLI-65 C, Cyan	Canon PIXMA PRO-200	17.49	20.99
40448	CLI-65 M, Magenta	Canon PIXMA PRO-200	17.49	20.99
40449	CLI-65 Y, Yellow	Canon PIXMA PRO-200	17.49	20.99
40450	CLI-65 GY, Gray	Canon PIXMA PRO-200	17.49	20.99
40451	CLI-65 PC, Photo Cyan	Canon PIXMA PRO-200	17.49	20.99
40452	CLI-65 PM, Photo Magenta	Canon PIXMA PRO-200	17.49	20.99
40453	CLI-65 LG, Light Gray	Canon PIXMA PRO-200	17.49	20.99
	imagePROGRAF PRO-300 Cartridges			
40456	PFI-300 MBK, Black	Canon image PROGRAF PRO-300	15.83	18.99
40457	PFI-300 PM, Photo Magenta	Canon image PROGRAF PRO-300	15.83	18.99
40458	PFI-300 R, Red	Canon image PROGRAF PRO-300	15.83	18.99
40459	PFI-300Y, Yellow	Canon image PROGRAF PRO-300	15.83	18.99
40460	PFI-300PC, Photo Cyan	Canon image PROGRAF PRO-300	15.83	18.99
40461	PFI-300CO, Chroma Optimiser	Canon image PROGRAF PRO-300	15.83	18.99
40462	PFI-300PBK, Photo Black	Canon image PROGRAF PRO-300	15.83	18.99
40463	PFI-300C, Cyan	Canon image PROGRAF PRO-300	15.83	18.99
40464	PFI-300GY, Grey	Canon image PROGRAF PRO-300	15.83	18.99
40465	PFI-300M, Magenta	Canon image PROGRAF PRO-300	15.83	18.99
	imagePrograf PRO-1000 Cartridges			
40466	PFI-1000M, Magenta	Canon image Prograf PRO-1000	48.33	58.00
40467	PFI-1000C, Cyan	Canon image Prograf PRO-1000	48.33	58.00
40468	PFI-1000CO, Chroma Optimizer	Canon image Prograf PRO-1000	48.33	58.00
40469	PFI-1000B, Blue	Canon image Prograf PRO-1000	48.33	58.00
40470	PFI-1000PGY, Photo Grey	Canon image Prograf PRO-1000	48.33	58.00
40471	PFI-1000Y, Yellow	Canon image Prograf PRO-1000	48.33	58.00
40472	PFI-1000R, Red	Canon image Prograf PRO-1000	48.33	58.00
40473	PFI-1000GY, Grey	Canon image Prograf PRO-1000	48.33	58.00
40474	PFI-1000PM, Photo Magenta	Canon image Prograf PRO-1000	48.33	58.00
40475	PFI-1000PBK, Photo Black	Canon image Prograf PRO-1000	48.33	58.00
40476	PFI-1000P, Photo Cyan	Canon image Prograf PRO-1000	48.33	58.00
40477	PFI-1000MBK, Matte Black	Canon image Prograf PRO-1000	48.33	58.00

PRINT STORAGE

While storing film is relatively straightforward, the options for storing prints are much broader. You could store prints in the same sleeve and binder system you use for film. However, some photographers hold their printed images in albums or frames or mount them on cards or blocks when universal sharing is required. There is the good old standby of a "shoe box" if you need cheap and unorganised print storage, but we feel our customers deserve better than that.

DON'T FORGET THE (£24.99 INC VAT) BESFILE ARCHIVAL STORAGE BINDER BOX (BLACK OR GREY) CAN HOLD PRINT PAGES AS AN ALTERNATIVE TO FILES

ClearFile Archival Plus Print Storage

Clearfile Archival Plus print pages are the ideal solution for loose-leaf filing. They manufacture them from specially formulated polypropylene for the safe, long-term protection of your valuable prints. Like their negative pages, they feature incredible crystal clear clarity and are manufactured in a more substantial thickness than flimsier alternatives, resulting in improved durability.

Clearfile archival pages feature "rip-resistant" seals, a stitched sealing method that allows each seal to work independently to resist tearing, unlike straight-line seals that continue to separate once the rip begins. A stitched seal also provides excellent airflow between pockets to protect against ferrotyping, moisture and mildew. Most pages have new pan-European/US 7-ring holes and fit standard 4-ring binders.

All ClearFile print pages offer:

• High Clarity 6 mil Polypropylene
• Archival and Inkjet Safe
• Acid-Free
• No PVC
• PAT Passed
• 25 per pack

35B Page
Each clear sheet holds six 4 x 6 prints

36B Page
Each clear sheet holds eight 4 x 6in prints

37B Page
Each clear sheet holds eight 5 x 7in prints

38B Page
Each clear sheet holds two 8 x 10in prints

40B Page
Each clear sheet holds two 8 x 12in print

44B Page
Each clear sheet holds two UK-size A4 prints, ideal for inkjet

71B Page
Holds two 8.5x11 prints or documents.

72B is the same but has a white print divider in the sheet.

CLEARFILE PRINT PAGES

Code	Product	Description	Ex VAT	Inc VAT
43035	35B Print Pages 4x6in Archival Plus Pack of 25	Each clear sheet holds six 4 x 6in prints	9.99	11.99
43036	36B Print Pages 4x6in Archival Plus Pack of 25	Each clear sheet holds eight 4 x 6in prints	9.99	11.99
43037	37B Print Pages 5x7in Archival Plus Pack of 25	Each clear sheet holds four 5 x 7in prints	9.99	11.99
43038	38B Print Pages 8x10in Archival Plus Pack of 25	Each clear sheet holds two 8 x 10in prints	9.99	11.99
43040	40B Print Pages 8x12in Archival Plus Pack of 25	Each clear sheet holds two 8 x 12in print	9.99	11.99
43071	44B Print Pages A4 Archival Plus Pack of 25	Each clear sheet holds two UK size A4 prints, ideal for inkjet	9.99	11.99
43072	72B Print Pages 8.5 x 11in Archival Plus, Pack of 25	ALMOST A4 size, each sheet holds 2 scrapbook pages or photo prints	1.00	1.20

ClearFile Print Protectors

Made for photographers who want a poly–propylene sleeve for each image, these clear bags offer superb protection for frequently handled prints. They come in conventional darkroom and digital enlargement sizes. Designed to hold matted or un-matted prints, they are ideal for use at home or in the studio/darkroom to safely protect and store valuable photographs. Archival and Inkjet safe are manufactured from crystal clear polypropylene with super heavyweight (3.6 mil/90 microns)

construction. Archival, acid-free and therefore safe for long-term digital storage *– we think this is one of the best inexpensive storage products on the market.*

CLEARFILE PRINT PROTECTORS

Code	Product	Description	Ex VAT	Inc VAT
43024	030B Print Protectors 8x10in Pack of 25	Archival Plus Print Protectors	5.49	6.59
43025	080B Print Protectors 9x12in (A4) Pack of 25	Archival Plus Print Protectors	6.41	7.69
43026	015B Print Protectors 11x17in Pack of 10	Archival Plus Print Protectors	5.33	6.39
43027	011B Print Protectors 12x18in Pack of 10	Archival Plus Print Protectors	6.08	7.29
43028	060B Print Protectors 16x20in Pack of 10	Archival Plus Print Protectors	6.68	8.02

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

Sidebar (left margin, top to bottom):
Black & White, and Colour Paper
Paper Chemicals
No Darkroom
Alternative Process
RAW Chemicals
Inkjet Paper
Inkjet Cartridges
Print Storage
Mounting
INDEX

ClearFile Crystal Clear Bags

ClearFile's unique Crystal Clear Bags are designed for both individual print protection and mounting prints, particularly for use in an exhibition or where you need to keep the mats clean.

These polypropylene bags are different to their print protectors, which can only be used for "loose" prints because they have a reusable adhesive strip designed to withstand repeated opening and closing, which is placed on the body of the bag, not on the flap.

The bags are sealed on three sides and open on the short side with a 2-inch flap. We sell them in 100 sheets, which makes them economical to buy. Our range ranges from 5 x 7 inches to 20 x 24-inch print sizes.

CLEARFILE CRYSTAL CLEAR BAGS

Code	Product	Description	Ex VAT	Inc VAT
43049	Crystal Clear Bags 5x7in Pack of 100	Archival Crystal Clear Bags	8.24	9.89
43051	Crystal Clear Bags 8x10in Pack of 100	Archival Crystal Clear Bags	18.32	21.99
43052	Crystal Clear Bags 12x16in Pack of 100	Archival Crystal Clear Bags	19.24	23.09
43053	Crystal Clear Bags 16x20in Pack of 100	Archival Crystal Clear Bags	32.07	38.49

CLEARFILE PRINT BOXES

Code	Product	Description	Ex VAT	Inc VAT
43054	Print Archival Box 5x7in	Black Archival Print Box	12.49	14.99
43055	Print Archival Box 8x10in	Black Archival Print Box	14.16	16.99
43056	Print Archival Box 13x19in	Black Archival Print Box for 12x16 prints	23.33	27.99
43057	Print Archival Box 16x20in	Black Archival Print Box for 16x20 prints	25.83	30.99

ClearFile Print Boxes

These sturdy and attractive boxes are an archival option, making them ideal for use in the studio or darkroom. They are designed as a 2-piece box with a lid wrapped in a black textured material.

The base of the box is acid-free black paper and passes PAT, making it safe for long-term storage and organising your images simultaneously. They are one 1/8th inch in depth. The construction is from 090 binders board (twice the thickness of standard film boxes) with buffered, acid-free and lignin-free black paper interior lining plus neutral pH adhesive, which they use in the box construction. Your photos will not deteriorate when in storage if you use these boxes. We thoroughly recommend them.

YOUR LIFE IS MORE DEFINED IF YOUR IMAGES ARE ORGANISED AND STORED FOR POSTERITY

Adox Adofile Polypropolyene Photo Books

These presentation books have a matt black surface, and the twelve double-sided, bound archive pages are made of highly transparent PVC. They hold 24 photos in portrait format and are ideal for handing over a completed presentation to a customer or tutor or as a "Sketch Book" with examples of your best images and accompanying text if required.

Available sizes are:

- 13x18cm (5x7")
- 24x30cm (9.5x12")
- A4
- 30x40cm (12x16")

Handmade portfolio books from Daler

The best handmade black sketchbooks are made in the UK by Daler Rowney and are available from Firstcall.

Their spiral-bound sketchbooks come in A4 size. Its 40 sheets of 180gsm, acid-free black cartridge paper is ideal for displaying your portfolio photographs and equally suitable for pencil, pen, ink and chalk artwork. An outer casing, connected with spiral binding, protects the enclosed paper and keeps your images safe.

The hardback version is perfectly bound and contains a slightly thinner, white 150gsm paper.

ADOX – ADOFILE PHOTO BOOKS

Code	Product	Description	Ex VAT	Inc VAT
78005	Adofile Polypropolyene Photo Book, 5x7"	12 pages holding 24 photos in portrait format	9.58	11.49
78006	Adofile Polypropolyene Photo Book, 9.5x12"	12 pages holding 24 photos in portrait format	18.49	22.19
78007	Adofile Polypropolyene Photo Book, A4	12 pages holding 24 photos in portrait format	16.24	19.49
78008	Adofile Polypropolyene Photo Book, 12x16"	12 pages holding 24 photos in portrait format	21.66	25.99

DALER – HANDMADE PORTFOLIO BOOKS

Code	Product	Description	Ex VAT	Inc VAT
78001	Portfolio Book, Hard Bound, A4, 62 pages	150gsm, white cartridge paper	3.33	3.99
78003	Portfolio Book, Spiral Bound, A4, 40 pages	180gsm, black card pages	7.33	8.79

MOUNTING, ADHESIVES AND CUTTERS

The advantage of storing your prints in a ring binder or frame is that (generally) you do not need adhesives. However, you sometimes need to display and share your enlargements in portfolio books or on a mounting board. At Firstcall, we offer a range of mount boards, portfolio books and a wide variety of adhesives and cutters to make exhibiting large prints a "breeze".

ALL MOUNTING BOARDS ALL SIZES JUST £1 PER SHEET

Firstcall Mounting Board

When you want to display your large pictures in the best way, you cannot beat mounting them properly. Usually, this involves using a 6-sheet type mounting board.

We are one of a few dealers still offering a range of mount boards. Our unique range of double-sided boards allows you a twin colour choice to make the most of your mounting budget. The options are white/cream, grey/black or olive green/brown.

Packed in 10s, we offer board in 10 x12, 12 x16, 16 x20 and 20 x24 inch sizes. As the usual way to mount the board is to allow a 1-inch border around the print, you can perfectly present paper sizes of 8 x 10, 10 x 12, 12 x 16 or 16 x 20 inches.

Typically, this means you could buy two different colour options and have the third colour as your third option. Alternatively, you might want to save one-third on your board purchases this year when bought from Firstcall. *All you need to do is indicate this offer when you buy – online or from the catalogue.*

Dry Mounting Tissue

This traditional method of permanently mounting mounts all kinds of flatwork - including prints and photos, with a low-heat iron (or mounting press). You tack melt the adhesive sheets with the tip of a domestic iron (set to silk setting) to use it.

Hot Press Unimount Classic tissue is a premium-grade tissue with a porous, pH-neutral grade. Their 650mm x 25m roll equals 25.5 inches x 82 feet. Therefore, you will have 120 sheets 12 x 16 inches from the roll. You may also need their silicone release paper, which you require in the dry-mounting process, which is also available from us.

Photocorners

We still sell traditional photo corners from Herma for sticking your prints into photo albums.

Their clear and permanent self-adhesive photo corners mean you can quickly remove your precious photos without fear of damage. The adhesive is solvent and acid-free; you get 250 corners in each pack.

Foam Centred Board

ONLY £3 PER SHEET

A more robust, more rigid alternative to card mount board is Foam Centred Board. Made from a foam core, sandwiched between two sheets of glossy white paper and double-thick liners, Firstcall foam board is one of the highest-performing foamboards on the market

It is solid and highly rigid, but its main benefit is its lightness. The density of the core makes it the ideal substrate for mounting large prints, examination portfolios, mounting, framing, vinyl graphics or P.O.P Displays

- White on both sides (except for all black)
- Very rigid
- The core is high-density and fine-cell extruded polystyrene foam
- Smooth, bright white finish
- 3mm thick
- It is ideal as a lightweight backing board
- Often used for shadow boxes
- Excellent for cold mounting large items

MOUNTING BOARD, TISSUE, CORNERS & TABS

Code	Brand	Product	Description	Ex VAT	Inc VAT
25124	Firstcall	Double-Sided Olive Brown Board 10 x 12in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25125	Firstcall	Double-Sided White Cream Board 10 x 12in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25126	Firstcall	Double-Sided Grey Black Board 10 x 12in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25129	Firstcall	Double-Sided Olive Brown Board 12 x 16in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25130	Firstcall	Double-Sided White Cream Board 12 x 16in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25131	Firstcall	Double-Sided Grey Black Board 12 x 16in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25134	Firstcall	Double-Sided Olive Brown Board 16 x 20in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25136	Firstcall	Double-Sided Grey Black Board 16 x 20in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25145	Firstcall	Double-Sided Grey Black Board 20 x 24in	1250 micron = 1.25mm thick, Pack of 10	8.33	10.00
25147	Firstcall	Foam Centred Board 16 x 20 inch (Pack of 5)	3mm thick, white both sides, five single sheets	12.5	15.00
26258	Herma	Photocorners Self Adhesive, Approx. 250 corners	250 pieces	2.49	2.99
26259	Hot Press	Dry Mounting Tissue, 25.in x 82ft roll (650)	Permanently mounts all kinds of flatwork - including prints and photos	79.16	94.99
26261	Hot Press	Dry Mounting Tissue, 40in x 82ft roll (1040)	Permanently mounts all kinds of flatwork - including prints and photos	99.99	119.99
26262	Hot Press	Silicone Release Paper, 40in x 82 ft(1040)	Prevents sticking of tissue	64.99	77.99

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

3M Adhesives

Using a spray adhesive is the quickest way to mount your photograph onto the mounting board. 3M offers the most extensive choice, but you must choose whether you want to reposition the photo after mounting.

All spray glue is permanent and repositionable before setting, but only ReMount is repositionable after drying. Scotch Weld 49 is a liquid adhesive with all the qualities of its spray cousins but without the smell or mess. Just paint it on with a brush. It is repositionable and builds strength over 24 hours but dries in 20 minutes. We found it an answer to the ongoing problem of mounting watercolour paper onto the board without curling. The two-litre container costs the exact cost as eight large spray cans.

Frisk Spray Adhesive

Frisk is a cheaper alternative to 3M but still gives you an environmentally friendly and CFC-free adhesive option for use in the studio, office or home.

We recommend their High-Tac as the low-cost alternative to Scotch Photo Mount (or the discontinued Tetenal Adhesive). A permanent adhesive for covering large surfaces, it is ideal for mounting photographs, posters, foam boards, textiles, corrugated cardboard, etc. You can reposition High-Tac within a short period. Ghiant adhesives, made in Belgium, are less than half the price of their 3m alternatives.

Gudy 802 Self Stick Adhesive Roll

Gudy 802 is a great alternative to spray adhesives; just cut to size and apply.

This cold mount, double-sided adhesive roll is a "no-mess" solution for more oversized prints.

Its high adhesive strength and universal application for indoor use make it ideal for mounting film for photos, inkjet and digital prints on several surfaces, including board.

It includes double-sided siliconised 90 g/m² backing paper, and the adhesive used is a water-based polyacrylate permanent one.

GLUES AND SPRAYS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26210	3M	Hi-Strength 90 Adhesive Spray, 500ml,	Non-moveable permenent bond, industrial Photomount	13.33	15.99
26211	3M	75 Repositionable Adhesive Spray, 500ml,	Moveable permenent bond, industrial Spraymount	18.74	22.49
26246	3M	Remount Spray, 400ml	Creative adhesive, sticks and lifts time and time again	14.58	17.49
26250	3M	Photomount Spray, 200ml, red can	Non-moveable	8.74	10.49
26251	3M	Photomount Spray, 400ml, red can	Non-moveable	14.58	17.49
26252	3M	Spraymount 200ml, blue can	Moveable	8.74	10.49
26253	3M	Spraymount 400ml, blue can	Moveable	14.58	17.49
26254	3M	Displaymount, 400ml	Strong adhesive for card	8.74	10.49
72008	3M	Weld 49, Pressure Sensitive Adhesive, 2 Litre	High Tack, Water Dispersion	16.66	19.99
72011	Firstcall	Gudy 802 Self Stick Adhesive Roll, 24in x 33 feet	Sticky back on a roll, for photos, ink-jet or board	27.49	32.99
26256	Frisk	High Tac Photo Spray, (Ghiant)400ml can	Permanent clear adhesive spray	6.66	7.99
84029	Herma	Glue Dispenser Transfer, removable, 15m	Removable glue-spots in strips of any length	4.99	5.99
84030	Herma	Glue Transfer Refill pack, removable, 15m	Removable glue-spots in a 15 metre roll	2.49	2.99
84032	Herma	Glue Dispenser Transfer, permanent, 15m	Permanent glue-spots in strips of any length	4.99	5.99
84033	Herma	Glue Transfer Refill pack, permanent, 15m	Permanent glue-spots in strips in a 15 metre roll	2.49	2.99
19136	Kenro	Spray Adhesive, 400ml	Moveable	7.46	8.95

Rotatrim Trimmer

Built in England by highly skilled engineers, Rotatrim's Pro Series uses only the highest quality components, and they assemble them to exact tolerances, which is why they are genuinely the machines by which all others are judged.

Their most popular trimmer for educational users is the MCA3.

Firstcall offers the best value in the UK for such a quality, low-priced trimmer. This trimmer cuts 18 inches wide (at a capacity of 2mm and in a 20-sheet pile) and comes with a full 5-year guarantee.

TRIMMERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26190	Olfa	Self Healing Double Sided Cutting Mat, A4, CM-A4	Protect your cutting surface with this top-quality cutting mat.	5.83	6.99
86001	Rotatrim	MCA3 Mastercut	Super value, high quality 18in trimmer	107.50	129.00
86003	Rotatrim	Pro 12	12in cut, up to 1/8th inch board	133.33	160.00
86005	Rotatrim	Pro 18	18in cut, up to 1/8th inch board	169.17	203.00
86006	Rotatrim	Pro 24	24in cut, up to 1/8th inch board	205.00	246.00
86007	Rotatrim	Pro 30	30in cut, up to 1/8th inch board	251.67	302.00
86008	Rotatrim	Pro 36	36in cut, up to 3/32rd inch board	287.50	345.00

Black & White, and Colour Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

INDEX

Peerless-Individual B&W Dyes

H.C Nicholson created his special watercolours in 1885; today, the same process is used in making the product. Available as individual monochrome colours, they do not fade or change colour when heated.

Each colour can be used individually or in combination with other colours for spotting any black-and-white print. All colours are acid-free and 100% non-toxic.

They are made from mineral dyes and have no harsh pigment colour ingredients.

Colours are available in either dry dye sheets or liquid colours, including Lamp Black, Ivory Black, Pearl Gray and Black Opaque.

Jacquard Pinata Inks

Jacquard Pinata Alcohol Inks are a revolutionary colouring medium that will appeal to photographers and artists alike.

They are highly saturated, fast-drying inks with an alcohol base. Because of that, they can be used to hand colour a multitude of surfaces, including photographic prints, ceramics, glass, resin, paper, metal, plastic, ceramic, stone, leather, resin, polymer clay and more or YUPO. If you make a mistake, you "paint away" your mistake back to the bare print using the Clean Up Solution. And this process works even AFTER the ink has long dried the following day. They even work on inkjet prints.

Thirteen ink colours (silver, gold and white) are in the range.

Fotospeed DY10 B & W Dye Kit

This retouching set removes small black spots or significant areas you do not require in the finished print. The kit contains only three dyes - black, grey, and burnt sienna- with no surface markings. You will need a retouching brush to use either of the above kits. We suggest the Delta– 0000 being the finest and best.

Fotospeed DY 15 Colour Retouching Dye Kit

Fotospeed DY15 Fotodyes are designed to be used on any photographic emulsion - black and white or colour. So retouching or handcolouring is a simple action.

As true dyes, they are entirely absorbed by the emulsion leaving no surface marking. The dyes come in 11 different colours with one reducer. All the dyes can be fully intermixed and /or diluted to produce any colour or shade required.

With the continued demise of hand colouring options e.g. photo oils it's great to know that there's an inexpensive stalwart from Fotospeed for all those who want to experiment by creatively altering their black and white images.

The dyes are extremely concentrated and caution should initially be exercised when diluting for use.

RETOUCHING AND HAND COLOURING

Code	Brand	Product	Ex VAT	Inc VAT
26196	Delta	Retouching Brush 000 (3/0)	8.33	10.00
9056	Fotospeed	Retouching Set DY10	7.99	9.59
13069	Fotospeed	Retouching Set DY15, Colour Dyes	24.16	28.99
84060	Marshalls	Handcolouring Artist Pencil Set Portrait (B & W)	16.49	19.79
84006	Peerless	Retouching Colours: Black Opaque (liquid)	7.74	9.29
84007	Peerless	Retouching Colours: Ivory Black (liquid)	7.74	9.29
84008	Peerless	Retouching Colours Lamp Black (liquid)	7.74	9.29
84009	Peerless	Retouching Colours: Pearl Grey (liquid)	7.74	9.29
84010	Peerless	Retouching Colours Warm Sepia (liquid)	7.74	9.29
84005	Peerless	Water Color Dry Spotting B&W Set - Dry Book	14.91	17.89
84003	Peerless	Water Color Pretty in Pink - Dry Book	8.33	10.00
26948	Jacquard	Pinata Ink 14.8ml, No 1025, Burro Brown	4.16	4.99
26949	Jacquard	Pinata Ink 14.8ml, No 1027, Havana Brown	4.16	4.99
26950	Jacquard	Pinata Ink 14.8ml, No 1029, Shadow Grey	4.16	4.99
26951	Jacquard	Pinata Ink 14.8ml, No 1031, Mantilla Black	4.16	4.99
26952	Jacquard	Pinata Ink 14.8ml, No 1033, Silver	4.16	4.99
26953	Jacquard	Pinata Ink 14.8ml, No 1019, Baja Blue	4.16	4.99
26954	Jacquard	Pinata Ink 14.8ml, No 1002, Sunbright Yellow	4.16	4.99
26955	Jacquard	Pinata Ink 14.8ml, No 1011, Senorita Magenta	4.16	4.99
26956	Jacquard	Pinata Ink 14.8ml, No 1005, Calabaza Orange	4.16	4.99
26957	Jacquard	Pinata Ink 14.8ml, No 1023, Rainforest Green	4.16	4.99
26958	Jacquard	Pinata Ink 14.8ml, No 1013, Passion Purple	4.16	4.99
26959	Jacquard	Pinata Ink 14.8ml, No 1030, Blanco White	4.16	4.99
26960	Jacquard	Pinata Ink 14.8ml, No 1032, Rich Gold	4.16	4.99
26961	Jacquard	Pinata Ink 29.6ml, No 1001, Claro Extender	4.16	4.99
26962	Jacquard	Pinata Ink 29.6ml, No 1000, Clean Up Solution	4.16	4.99

Darkroom

Darkroom Lighting

Enlargers

Enlarging, Easels / Contact Frames

Timers

Finders & Meters

Print Processing

Print Washing/Drying

Inkjet Printers

INDEX

| PRINT AND PRINT PROCESSING |

MAKING A DARKROOM

Processing film does not require a photographic darkroom. However, making prints and enlargements from negatives requires dark space at least big enough to contain an enlarger, safelight, processing trays and yourself.

Being the U.K's leading darkroom specialist, no other retailer has such an extensive range of products to make your darkroom complete.

Working in a darkroom teaches you the fundamentals of how light (the prerequisite of all photographs) influences picture making. A darkroom should be just that. You should seal all windows, doors and vents against the light. Once you have done that you can prepare the list of equipment that makes a darkroom work.

Darkrooms need planned "wet" and "dry" areas and try not to get electrical apparatus near the "wet" area. In this section, we show you how to light proof, ventilate, protect and choose a purpose made sink in preparing your darkroom.
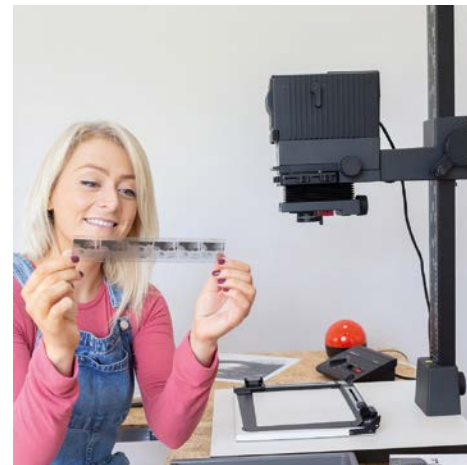
Light Proofing

Our cotton/polyester white material comes on a roll, we sell it by the metre and it is 1.37m wide. It fixes quickly and easily to window surrounds using 2-part Velcro one-half sewn onto the material and the other stuck to the wall or frame. It has the advantage over black plastic in that it lasts longer. You can use it as a liner to existing curtains or make into long separate curtains or blinds.

Pop Up Darkroom

The Ilford Pop-Up Darkroom is the perfect solution for film photographers who want to print their negatives and otherwise may struggle to convert existing spaces into suitable working darkrooms.

The external metal frame is approximately 2.2m tall and a workable 1.3 x 1.3m space to print while standing or seated.

A durable light-tight black material clips to the frame, while an accompanying ground mat offers protection for your flooring, and you can fasten it to the darkroom material.

A built-in air vent towards the base of the darkroom allows you to use it for an optional fan/air blower, and once sealed, the incoming air will also expand the inner dimensions. A smaller vent closer to the top of the darkroom lets you attach other air extraction tubes (not included).

It contains a material loop at the top to hang a safelight, and the best thing is that you can easily fold it all down for storage or transportation in the included carry case.

Nova makes an alternative blow-up Darkroom Tent which gives a larger option.

Its dimensions are 48 x 48 x 88 inches high (125x125x225cm and comes complete with Darkroom Tent Support Frame and Blower/Extractor fan.

LIGHT PROOFING

Code	Brand	Product	Description	Ex VAT	Inc VAT
69001	Firstcall	Black-out Door Foam	A roll of self adhesive, 8mm wide x 12 metres	11.66	13.99
69005	Firstcall	Black-out Material (White)	Cotton/polyester, 1.37m wide, order in full metres	5.83	6.99
69006	Firstcall	Velcro (2 part), for Cotton Material	For cotton material, price per metre	1.91	2.29

PROJECTION & VENTILATION

Code	Brand	Product	Description	Ex VAT	Inc VAT
70013	Firstcall	Eye Care Pod Station	Wall cabinet, sterile eyewash for eye or face splashes	49.99	59.99
72003	Firstcall	Coverspecs Eye Shields	Universal fit, even for spectacle users	4.99	5.99
69004	Firstcall	Face Mask	9322, for acid, developer and toner gases	4.93	5.92
72004	Firstcall	White PVC Apron	Chemically resistant, two ties for close fit, heavy-duty	9.58	11.49
72005	Firstcall	White Polythene Aprons, Disposable, Pack of 100	Made from opaque polythene.	4.99	5.99
31001	Ventaxia	Solo Plus P Extractor Fan	3 speed fan, flush or surface mountable	83.33	99.99
31003	Ventaxia	Solo Plus HT Extractor Fan	Twin speed & humidity, constant trickle, flush or surface mountable	162.49	194.99
31004	Ventaxia	Centrif DP Duo Extractor Fan	Double the power of Solo	153.18	183.82
31006	Ventaxia	Weather Cowl	For all 100mm external wall holes for Ventaxia	24.66	29.59

INSTANT DARKROOM

Code	Brand	Product	Description	Ex VAT	Inc VAT
11160	Ilford	Pop-Up Darkroom	Portable darkroom that folds down into a bag. Dimensions when erected (approx): Floor footprint 1.3m x 1.3m. Height 2.2m	206.66	247.99
21015	Nova	Portable Darkroom Tent	Blow-up tent, 88 x 48 x 48".	524.96	629.95
21017	Nova	Portable Darkroom Tent Equipment Table	Table to fit in the tent, 80 x 60 x 69".	53.29	63.95

Darkroom

Darkroom Lighting

Enlargers

Enlarging, Easels / Contact Frames

Timers

Finders & Meters

Print Processing

Print Washing/Drying

Inkjet Printers

INDEX

Washing in the Darkroom

A purpose-made darkroom sink is an excellent start in darkroom design – it will stop you from staining your kitchen sink.

Our sinks have splashbacks and drip trays that will hold your developing dishes together and surround them with tempered water. A good sink like our own (hand-made) fibreglass ones or Nova's injected moulded range will complete your darkroom washing and developing area.

Nova makes their low-cost grey sinks from industrial polythene. They are robust and seam-free, and the medium size comes complete with splashback. An included drip tray/draining board makes washing, developing or toning a pleasure. Each size is 6" in depth and has a flat base with sloping drainage ribs, with a 1.25" drain and plug. You can quickly obtain waste connections and connectors to your traditional outlets from DIY stores.

The advantage of our fibreglass range is that they are easily repairable, and the Ampro versions come complete with syphon and drainage. They can also have frames constructed around them to have a freestanding option if it is hard to fit one into a work surface. However, we recommend the NS65, which adapts to a standard 600mm worktop and is versatile and highly durable (needs support at the rear and sides). Due to the large size of the Ampro sinks, the carriage cost when ordering these is £40.

Protect Your Eyes

The eyes are one of the most sensitive parts of the human body. They are often prone to miniscule dust and dirt landing in them, causing discomfort and distress and potentially leading to a more severe injury if not properly dealt with. Foreign objects can end up in the eye in almost any environment.

The Eye Care Pod Station attaches to the wall via a bracket and has a transparent dust cover for easy identification in an emergency. The kit contains a mirror, which can help with self-administration. There is also an illustrated eye treatment guide for the correct procedures for dealing with all levels of eye injury, from minor to significant. It is often the case that the initial treatment that an individual receives in the case of an accident can make a massive difference in the long-term effects it has upon them.

Deal quickly, effectively, correctly and safely with all eye injuries in the darkroom with this eye care kit.

Fibreglass Sinks

Ampro 69
External 1840 x 725mm / 72.5 x 28.5"
Internal 1750 x 625 x 127mm / 69 x 24.5 x 5"

Ampro 80
External 2160 x 725mm / 85 x 28.5"
Internal 2075 x 630 x 127mm / 81.75 x 24.75 x 5"

NS42
External 1150 x 655mm / 45.3 x 25.8"
Internal 1067 x 584 x 100mm / 42 x 23 x 4"

NS65
External 1600 x 575mm / 63 x 22.6"
Internal 1510 x 485 x 100mm / 60 x 19 x 4"

Moulded Plastic Sinks

Small – no splashback
External 889 x 686mm / 35 x 27"
Internal 813 x 610 x 150mm / 32 x 24 x 6"

Medium – inc splashback & drainer
External 1200 x 750mm / 47 x 29"
Internal 914 x 635 x 150mm / 36 x 25 x 6"

Water Filtration

Water filtration is also significant as hard water and mineral deposits can cause havoc when washing film or paper.

Paterson's water filter fits over most new taps, and its 20-micron filter removes most waterborne dust and dirt found in running water.

You can easily disassemble it, and the screen is reversed for flushing.

SINKS AND FILTRATION

Code	Brand	Product	Description	Ex VAT	Inc VAT
61000	Firstcall	Ampro 80 Fibreglass Sink	incl., deep wash, waste, 81 x 24.8 x 4"	499.17	599.00
61002	Firstcall	Ampro 69 Fibreglass Sink	incl. deep wash, waste, 69 x 24.5 x 4"	415.83	499.00
61004	Firstcall	NS65 Fibreglass Sink	large, 60 x 19 x 4", fits 600mm worktop	229.17	275.00
61005	Firstcall	NS42 Fibreglass Sink	splashback, waste, medium, 42 x 23 x 4"	207.5	249.00
21027	Nova	Small Plastic Darkroom Sink	Grey, internal bowl size 32 x 24 x 6"	191.67	230.00
21028	Nova	Medium Plastic Darkroom Sink	Grey, medium, internal bowl size 36 x 25 x 6"	241.67	290.00
26049	Paterson	Water Filter	PTP317: Tap fitting removes most water-borne dust and dirt	19.08	22.89

Sidebar navigation (left margin): Darkroom | Darkroom Lighting | Enlargers | Enlarging, Easels / Contact Frames | Timers | Finders & Meters | Print Processing | Print Washing/Drying | Inkjet Printers | INDEX

DARKROOM SAFE LIGHTING

Safelights, with low-wattage bulbs and proper filters, are used to provide Illumination in the darkroom that will not expose photo films and papers–thus the name. A safelight with a red filter will not affect most black-and-white photo papers, provided the paper be kept at least 4 feet from the light. For black and white papers the bulb output is usually around 15 watts depending on the size of the safelight; do not exceed the manufacturer's recommended wattage or else your paper may be fogged by the safelight. Colour photo papers are more sensitive and should be processed in complete darkness or with specially designed LED lights.

Spare Lamps for Safelights

Most modern darkroom safelights take a Pygmy lamp with a screw fitting. Be careful as to which type you order, ES or SES. ES have thick shafts and SES have smaller tapered shafts towards the base. Because there are many older safelights in existence still, you can be reassured that at Firstcall we carry all of the older types ready to be your replacements.

AP Safelight

AP's Red Safelight offers table-top or wall mounting and is manufactured in compliance with current EU safety standards to make a great inexpensive option for every enlarger workstation. You can use it for high sensitivity, desensitised, orthochromatic emulsions and both Ilford and Kentmere Multigrade papers. Minimum recommended working distance is 1 metre.

Firstcall Red Safelight Bulb

Made for us by Philips, this 15w PF712 Dark Red Safelight bulb is scientifically coated red to counter the tungsten wavelength that would usually fog your photographic materials. Ideal for use with black and white film and print processing, the 240v bayonet cap (BC) bulb directly fits into any domestic bulb socket (i.e. a ceiling rose or table lamp).

Paterson & Kaiser Safelights

For a solid black and white safelight, we recommend the 15w Paterson Red/ Orange, model. Made in the UK, it is designed to stand on a bench, hang on the wall, or suspend from the ceiling. Ready to use with bulb, you can use this mains safelight within a personal darkroom bay, or you can use a number together for general lighting on the wall of the darkroom. The replacement bulb is a Pygmy SES 15w. The Kaiser alternative is system matched for Multigrade work. It can be bench or wall-mounted and tilted through 40 degrees.

Encapsulite Darkroom Safelight Fluorescent Tube

A simple answer in making your darkroom safelight is to convert the fluorescent light into a darkroom safe one. We sell their five feet, orange/red tubes are safe with most b&w papers. For shipping safety reasons, please note that we can only sell a minimum of six tubes per order.

RH Designs SafeTorch

RH Designs offer two low-cost darkroom SafeTorches, one is a black and white (red) model, and the other is for colour (yellow) work.

The b/w version produces a bright beam of safe red light ideal for print inspection during development, for locating that dropped dodging tool! The colour version is useful for general orientation in the darkroom while colour materials are exposed - it should not be used for direct illumination of colour materials, although the wavelength of the LED light has been chosen to match the minimum sensitivity of colour papers. Housed in a small plastic key-fob style enclosure with a cord which you wear around the neck or wrist, the SafeTorch can be held and operated with one hand. The momentary switch action ensures you cannot leave it on accidentally. It runs on a single 12v alkaline battery (included).

SAFE LIGHTS

Code	Brand	Product	Description	Ex VAT	Inc VAT
25047	AP	Safelight, Red	For most B & W work, bench or wall mount	29.33	35.19
39112	Heiland	LED Small Darkroom Light	Mains operated	74.17	89.00
39111	Heiland	LED Darkroom Lights College Kit (9 lights and controller)	Nine twin red and white 1 metre darkoom lights all linked to a central controller	1745.83	2095.00
39106	Heiland	LED Darkroom Light	Twin red and white 1 metre darkoom light	165.83	199.00
9017	Kaiser	Safelight 4018, Orange	For multi-contrast B & W work, bench or wall mount	66.66	79.99
25048	Lamps	Safelight, Red, 240v 15w BC	For most B & W work, fits any domestic socket	13.33	15.99
26563	Lamps	Safelight Bulb, SES Pygmy, 15W	For (small) screw safelights like AP or Paterson	1.66	1.99
26512	Lamps	Safelight Bulb, ES Pygmy, 15W	For old (big) screw safelights	3.33	3.99
26513	Lamps	Safelight Bulb, BC Pygmy, 15W	For old bayonet safelights	1.44	1.73
69003	Lamps	Darkroom Safelight Fluorescent Tubes (6),DSL58WR10	6 tubes, Orange/Red, for most b&w papers, 5 feet	341.67	410.00
26086	Paterson	Safelight, Orange	PTP760; for most B & W work, bench or wall mount	28.66	34.39
83008	RH Designs	Safelight, SafeTorch Colour	For most colour work, personal inspection	21.58	25.90
83007	RH Designs	Safelight, SafeTorch B & W	For most B & W work, personal inspection	19.92	23.90

LED, safelights for the 21st Century

German manufacturer Heiland offers a unique way to illuminate your darkroom. They specialise in LED solutions for the modern darkroom, and as their representative in the UK, we're convinced that this is the best way to achieve the ultimate lighting solution in your darkroom.

Heiland has three LED lighting offerings:

1) Their Small LED Safelight – desk mounted

2) Their LED Twin Ceiling Safelight – One-metre fluorescent strips in a housing

3) Their LED Twin College Kit – Nine individual lights as per (2), but all linked with a central controller, three switches and a useful dimmer

Heiland LED Small Safelight

This LED safelight is designed for use close to the enlarger and for small darkrooms, e.g., a darkened bathroom. The LED safelight is the little brother of our extremely popular and 1m long rod-shaped LED safelight. This luminaire generates red light for safe working with all multigrade papers.

The intensity is slightly higher than the well-known Ilford SL1 safelight equipped with a 15W lamp. Compared to that, no orange but pure red light is emitted, and the power consumption is only 1W.

Its innovative design, in the shape of a light tube, is one metre long with a simple switch to change the colours. It also includes an integrated intensity adjustment to set the power to your working distance in the darkroom.

Perfectly safe for all black and white papers (not RA4 Colour), it can also be tilted for wall or ceiling mounting.

Benefits
- Bright and safe illumination of the workplace around the enlarger.
- LEDs guarantee
- No bulb replacement is necessary.
- Monochromatic light with a wavelength of 630nm.
- The 12V power supply guarantees electrical safety even in wet areas.
- Attractive design.
- Optional voltage converter available for supply with a USB power bank

Technical data
- Average wavelength: 630 nm
- Supply voltage: 12VDC
- Wall plug power supply is included
- Power consumption: 1 W
- Dimensions (L x W x H): 145 x 7 x 30mm
- Weight 100g

Heiland LED Darkroom Safelight

Heiland also makes a unique twin LED safelight, combining red LEDs for safe darkroom work and white ones for viewing the final print. The single-tube housing is held in a slim mounting holder.

Its clever design, in the shape of a light tube, is one metre long with a simple switch to change the colours. It also includes an integrated intensity adjustment (dimmer) to set the intensity to your working distance in the darkroom.

Perfectly safe for all black and white papers (not RA4 Colour), it can also be tilted for wall or ceiling mounting.

Features:
- Single light output gives bright red light at 630nm wavelength or white light with approximately 5000k.
- Tube-shaped design.
- It can be tilted for wall or ceiling mounting.
- LEDs guarantee instant on and off and long life; no lamp replacement is necessary.
- Adjustable intensity according to your working distance.
- 12V mains power supply

Heiland Complete College Darkroom Lighting

LED Darkroom Safelight is sufficient to cover around 150 square feet. But what if you want a complete department lighting solution? Well, Heiland has the answer here, too.

Their LED Darkroom Lights College Kit includes NINE lights and the cabling and controller to coordinate the complete room lighting. A cabling diagram can be provided, but we recommend a qualified electrician install the lights.

Kit contents:
- 9x Safelight 1 metre, emits red and white light
- 1x Central Control Unit with three switches and one dimmer
- 1x Cable for wiring of 9 light sources (50 metres)

HEILAND LIGHTS

Code	Brand	Product	Description	Ex VAT	Inc VAT
39112	Heiland	LED Small Darkroom Light	Mains operated	74.17	89.00
39111	Heiland	LED Darkroom Lights College Kit (9 lights and controller)	Nine twin red and white 1 metre darkoom lights all linked to a central controller	1745.83	2095.00
39106	Heiland	LED Darkroom Light	Twin red and white 1 metre darkoom light	165.83	199.00

Paterson Universal Condenser Enlarger

The condenser head has a pair of condenser lenses in the lamphouse that concentrate the light source into a direct beam that projects a brilliant image onto the photo paper—all condenser enlargers.

Our favourite enlarger for beginners is the Paterson Universal model. This compact 35mm or medium format condenser enlarger is ideal for photography students, allowing them to upgrade to the larger format if preferred. It uses filters (additional extra) to obtain the desired contrast grade required when using Multigrade paper. You can buy the same design of enlarger from us under the Adox brand, which comes with a 2-year guarantee for the same price.

Key Specifications:
- Takes 50mm or 75mm lenses (not included)
- 35mm and 6 x 6cm Negative Carrier included
- Filter drawer accepts 3 x 3" Multigrade filters
- Baseboard dimensions: 18¾ x 15.5"
- Maximum enlargement paper size 12 x 16"
- Column height 29 inches
- Wall projection possible
- Replacement lamp is the P3/3ES Normal 75w

Beseler Cadet II

The Beseler Cadet II is our main competitor to the Paterson, being made in the USA rather than China. We know both of their merits well.

Its easy assembly and lightweight design make it simple to set up and break down for storage, making it excellent for temporary darkroom use or even when a portable option is required.

Key Specifications:
- Includes enhanced 50mm f3.5 lens
- 35mm Negative Carrier included
- Filter drawer accepts 3 x 3 inches Multigrade filters
- Baseboard dimensions: 11¾ x 14"
- Maximum enlargement paper size 10 x 12"
- Column height 23"
- Replacement lamp is the P3/3ES Premium 75w
- Column reverses for floor projection

Beseler Printmaker 35

The Printmaker 35mm condenser model allows you to upgrade to 6 x 7 cm with a conversion kit at a later stage if required. Like the Cadet, it comes with a high-quality lens, lensboard and negative carrier, all included. The Printmaker is the next step up in the Beseler family and is more rugged in its construction. It is still compact and has the same counterbalanced elevation system featured throughout the range.

Key Specifications:
- Includes enhanced 50mm f3.5 lens
- 35mm Negative Carrier included
- Filter drawer accepts 3 x 3" Multigrade filters
- Baseboard dimensions: 14 x 19"
- Maximum enlargement paper size 11 x 14"
- Column height 39"
- Replacement lamp is the P3/3ES Premium 75w
- Focusing for left or right-handed users
- Column reverses for floor projection

ENLARGERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
12151	Beseler	Printmaker 35 Condenser Enlarger and 50mm Lens Kit	35mm enlarger for prints up to 11 x 14" with lens	825.00	990.00
12150	Beseler	Cadet II Enlarger with Baseboard and 50mm Lens Kit	Beginner's enlarger for prints up to 9.5 x 12"	582.50	699.00
9121	Intrepid	Compact Enlarger	Enlarge, print & scan all formats 35mm to 6x9cm	233.33	280.00
26010	Paterson	Universal Black and White Enlarger	PTP700; B&W, 35mm or 6 x 6cm, uses filters, prints up to 12 x 16"	315.83	379.00

Intrepid Compact Enlarger

The Intrepid Enlarger is a total rethink of the traditional darkroom enlarger. A super compact, simple and fun-to-use kit for making prints from your colour and B&W film at home (from 35mm to 6x9), mount it on a tripod or copy stand!

You can even use it to scan your negatives using a digital camera/smartphone.

Utilising innovative new LED technology, The Intrepid Enlarger is the smallest, most compact darkroom enlarger ever made. It is so tiny it could fit into a shoebox! While it may be the smallest Enlarger ever to exist, it has all the features of a traditional one without being bulky, expensive or relying on outdated technology. The LED lights are perfectly calibrated for printing/scanning, and all the filters for colour balance and contrast are built into the controls on the timer.

It lets you print Black & White or Colour Film, use your camera to scan negatives and includes an electronic timer. You'll also need a copy stand or tripod to mount your Enlarger to and an enlarging lens - 50mm for 35mm film and 80mm for 120, but then you're ready to start printing.

This is undoubtedly the best contemporary enlarger we've ever sold, and the price is unbeatable. We thoroughly recommend it for schools and colleges wanting to start darkroom printing. It is made in the UK.

Specifications:
- Film formats: 35mm & 120 (6x6, 6x4.5, 6x7, 6x9)
- Contrast filters built-in, 00 to 5 in 1/2 steps
- Complete CMY control for colour printing
- Calibrated backlight for digital camera scanning
- Built-in safelight
- Easy printing from 5x7" up to 11x14" (much larger possible with horizontal projection)
- M39 lens mount
- Waterproof connectors

Intrepid 4x5 Enlarger Kik MK2

The Intrepid Enlarger MK2 is a simple, small lightbox that fits the back of the Intrepid 4x5 Camera (or almost any other 4x5 camera) and attaches using the Graflok clips included. You then mount the unit to any standard copystand or low-level tripod (saving cost on a separate column and baseboard).
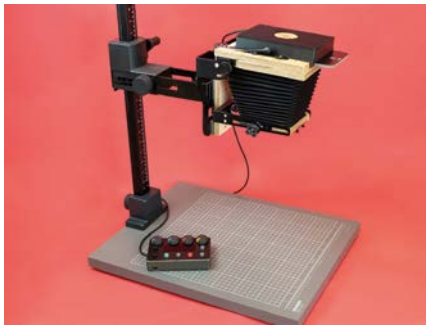
Designed for making prints from colour film and black & white, you can also use it to scan or digitise your negatives with a DSLR. The colour balance and contrast filters are built into the light source and controlled on the (included) timer.

There's even a built-in safelight, useful for those with limited space. It can make prints from 4x5, 120, and 35mm film.

The standard kit comes with:
- Intrepid Enlarger LED light source – attaches to the back of your 4x5 camera with the Graflok clips
- Intrepid Enlarger Timer - to accurately control exposure time
- Multigrade filter holder - clips to your lens for use with Ilford Multigrade 8.9cm contrast filters
- Enlarger Lens board – for mounting standard enlarger lenses (with 39mm thread)
- 4x5 negative carrier (35mm and 120 negative carriers available separately)
- 12v Power supply

Beseler Printmaker 67VC

This mid-priced VC diffuser model (with transformer) produces excellent enlargements from any negative size from 35mm to 6x7cm.

It makes grade selection easy, too, as it incorporates a single knob to choose your setting via its additive dichroic filter system rather than having to insert individual filters into a below lens filter drawer (which Beseler include). Any grade from 0 through to 5 can be selected using this system. The 67VC also automatically maintains a constant printing speed throughout the contrast range, eliminating the need to recalculate exposures when changing the grade (contrast).

This cool-running enlarger offers even illumination of your image from corner to corner.

Key Specifications:
- Includes enhanced 50mm f3.5 lens
- 35mm Negative Carrier included - format size up to 6 x 7cm
- Single wheel to select filter grade 0-5
- Also, there is a below the lens filter holder
- Baseboard dimensions: 14 x 19"
- Maximum enlargement paper size 11 x 14"
- Column height 39.5"
- Replacement lamp is the 85W 82V
- Focusing for left or right-handed users
- Column reverses for floor projection

7700 VCCE Multicontrast

The LPL 7700 VCCE is an excellent choice for schools and colleges. The variable contrast head has a dichroic filtration for Grades 0-5 and improved technology to maintain constant exposure time when you change the contrast. The construction of the chassis is robust. The height adjustment is a squeeze lock, much faster than a knob wind. With its counterbalanced chassis, brake knob and the lens stage that shifts and tilts, this is an enlarger to get if you are creative. It can be used for all formats up to 6x7cm. LPL has announced that it will no longer make 7700 enlargers. We have good stocks, but this might be your last chance to buy a new one.

LAST CHANCE TO BUY

- Takes 50mm to 105mm lenses
- 35mm Negative Carrier included - format size up to 6 x 7cm
- Single wheel to select filter grade 0-5
- Also, there is a below the lens filter holder
- Baseboard dimensions: 18 x 23"
- Maximum enlargement paper size 16 x 20"
- Column height 43"
- Replacement lamp is the A1/231 12v Halogen
- Focus control is by double rail friction
- Oversized brake knob
- Built-in neutral density filter for constant exposure
- Tilt and shift possible
- Can be converted to a copy stand
- Wall projection possible
- Column reverses for floor projection

Kaiser VP 6005

The Kaiser VP 6005 Black and white enlarger can be used for all formats up to 6 x 6cm and lenses up to 80mm. This enlarger uses filters, below the lens to make a print when using Multigrade paper.

- For all film formats up to 6 x 6 cm and lenses up to 80 mm focal length
- Can be upgraded to film formats up to 6 x 9cm
- Removable compound negative carrier with interchangeable inserts
- adjustable masking strips and grid pins
- Inserts supplied: Anti-Newton glass on top, 6 x 6 format mask on the bottom
- Wall and floor projection, tiltable lens stage, distortion correction on Scheimpflug principle.
- Enlarger head with 75-watt opal lamp, lamp adjustable
- Exchangeable double condenser system.
- Filter drawer
- Built-in red filter
- Quick-change attachment for lenses.
- Height adjustment by hand-crank-operated friction drive.
- Baseboard (WxDxH): approx. 450 x 500 x 28mm / 17.7 x 19.7 x 1.1"

Ask us about Colour Models

MULTIGRADE MID RANGE ENLARGERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
12152	Beseler	Printmaker 67VC Enlarger and 50mm Lens Kit	Multi format enlarger for prints up to 12 x 16 inches with lens	825.00	990.00
12153	Beseler	Printmaker 67XL VC Enlarger and 50mm Lens Kit	Multi format enlarger for prints up to 16 x 20 inches with lens	1250.00	1500.00
12155	Beseler	Beseler Printmaker 67 6x6cm Glasssless Negative Carrier	For use with all Printmaker 67VC or 67VCXL enlargers	133.33	159.99
9100	Intrepid	4x5 Enlarger Kit MK2	Convert your 4x5 camera into a darkroom enlarger to make prints from your 4x5, 120, and 35mm negatives	233.33	280.00
9101	Intrepid	4x5 Enlarger 120 Negative Carriers	To use 120 film in your Interpid 4x5 Enlarger	33.33	40.00
9102	Intrepid	4x5 Enlarger 35mm Negative Carriers	To use 35mm film in your Interpid 4x5 Enlarger	12.50	15.00
9122	Intrepid	De Vere 504 Enlarger Converter	Convert any classic De Vere 504 Enlarger to use modern LED technology.	450.00	540.00
9011	Kaiser	VP 6005 6 x 6 Enlarger & neg mask	B&W, up to 6 x 6cm, uses filters, prints up to 12 x 16in.	1057.50	1269.00
12005	LPL	7700 VCCE Multicontrast Enlarger	B&W, up to 6 x 7cm, uses filter wheel, prints up to 16 x 20in.	1625.00	1950.00

Darkroom

Darkroom Lighting

Darkroom Lighting

Enlargers

Enlarging, Easels / Contact Frames

Timers

Finders & Meters

Print Processing

Print Washing/Drying

Inkjet Printers

INDEX

Schneider and Rodenstock Enlarging Lenses

For a budget-enlarging lens, 50mm focal length for 35mm negatives, we suggest a secondhand option, buying a Schneider Componon C or Durst Neonon. Either lens comes with a six-month warranty. For 75mm focal length lenses (for medium format negatives), we supply our own Chinese lens with its bright f4.5 aperture. Both each have a 4-element construction that will produce crisp 35mm enlargements up to 8 x 10 inches in normal conditions and 12 x 16 if entirely stopped down.

For the ultimate in sharpest and reproduction, we recommend Rodenstock enlarging lenses. Made in Germany, they put

precision into focus and offer the most extensive choice available on the market.

Our best seller is their Rogonar S version, which offers a wide aperture, making it bright for baseboard focusing and ideal for students to see the image they are trying to enlarge. You can guarantee a high-quality result with only low light falling off the picture margin. The APO Rodagon is the lens for selective enlargements or top-notch presentation. With its 20x magnification and six elements, you cannot beat it for sharpness or light throughput.

ENLARGING LENSES

Code	Brand	Product	Description	Ex VAT	Inc VAT
25018	Schneider	Componar/Neonon 50mm Enlarging Lens	4 element, for 35mm use, recommended	59.99	59.99
25020	Firstcall	75mm f3.5 Enlarging Lens	4 element, for medium format use, recommended	54.16	64.99
7002	Rodenstock	Rogonar S 50mm f2.8 Enlarging Lens	4 element, for 35mm use	257.5	309.00
7003	Rodenstock	Rodagon 50mm f2.8 Enlarging Lens	6 element, for 35mm use	304.17	365.00
7004	Rodenstock	Rodagon-N APO 50mm f2.8 Enlarging Lens	6 element, for 35mm use	382.50	459.00
7007	Rodenstock	Rogonar S 75mm f4.5 Enlarging Lens	4 element, for 6 x 6cm use	220.00	264.00
7008	Rodenstock	Rodagon 80mm f4 Enlarging Lens	6 element, for 6 x 6cm use	320.83	385.00
7011	Rodenstock	Rodagon-N APO 80mm f4 Enlarging Lens	6 element, for medium format use	707.50	849.00

Paterson Single Sheet Easel

This Single Sheet 8 x 10-inch low-cost easel is ideal for students or departments on a budget. Plastic in construction gives a fixed border on every piece of paper used. It is the cheapest easel we sell.

Condor 2 Blade Easel
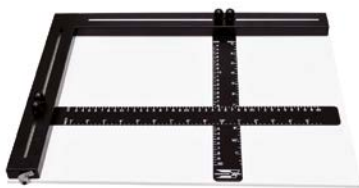
To many darkroom workers, the most useful size of enlarging easel is a 2-blade version that will hold all sizes of paper up to 12 x 16". There is, however, only one 12 x 16 easel made, and only Firstcall imports it.

Made by specialist company Condor, their 30 x 40cm model is made in Italy and is solidly built. Its all-metal construction will withstand harsh handling in any classroom or darkroom. Remember, you need to print onto 12 x 16" paper or above for portfolio work and need a larger easel to hold it.

They fit this 12 x 16" enlarging easel with adjustable precision guides, and its paper stop is also adjustable. Furthermore, each sheet of paper automatically locks into position when in use. The blades include a dual measuring scale for the paper in both inches and centimetres.

Beseler Borderless Easels

Beseler makes these easels in two sizes, for standard and more bigger enlargements, and make it simple to equip educational darkrooms.

They start at under £45, and their all-metal frames hold your paper down during exposure without an over-mask, which means you can print to the full edge of the paper. They also include individual "finger-lift" notches for removing the paper after you have completed your exposure.

Although available in two "maximum" sizes, both easels include two adjustable paper guides with locking knobs, meaning whatever paper size you use on the easel, it is held solely in place with the clamping paper guides. They will also last a lifetime as they are constructed in a non-reflective black epoxy finish, making the easels sturdy and functional.

Intrepid 5x4 DeVere Enlarger Conversion Kit

Convert any classic De Vere 504 Enlarger to modern LED technology. The Intrepid De Vere 504 head utilises the same technology as the Intrepid Compact and 4x5 Enlargers. The light source matches the results of the traditional 504 head, but as it uses LEDs, it is entirely silent to run, doesn't need stabilisation and uses a lot less energy. This new product was born directly out of the need to replace the light sources in three of the 504 enlargers in the Intrepid Studios darkroom. With it, you can also give your old enlarger a new lease of life and switching heads 0nly takes around 5 minutes.

MASKING FRAMES / ENLARGING EASELS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26129	Beseler	Masking Frame / Enlarging Easel, up to 8 x 10"	Borderless, with 2 locking paper guides	71.66	85.99
26130	Beseler	Masking Frame / Enlarging Easel, up to 16 x 20"	Borderless, with 2 locking paper guides	248.33	297.99
12022	Condor	Masking Frame / Enlarging Easel, 12 x 16	Unique, 2 blade	116.66	139.99
9122	Intrepid	De Vere 504 Enlarger Converter	Convert any classic De Vere 504 Enlarger to use modern LED technology.	450.00	540.00
9040	Kaiser	Masking promask Frame / Enlarging Easel 4704, 12 x 16"	German, 4 blade professional design	999.17	1199
9042	Kaiser	Masking Frame / Enlarging Easel 4001, 9.5 x 12"	German-made, 2 blade, robust construction	207.50	249.00
26094	Paterson	Masking Frame / Enlarging Easel, 8 x 10"	PTP682; Plastic, single sheet	19.58	23.49

Paterson Contact Printing Frames

Contact printing frames differ from easels in that they are designed to hold negatives and not paper to print all negatives from a film onto a single sheet of paper, thereby deciding those worth enlarging in advance. In effect, it is the first stage of printing. You can easily position the negatives in slots on the mask of the Paterson Proof Printers, and the resulting contact sheet enables a natural choice of which negatives to enlarge. An entire 36-exposure 35mm or 120 film can be proofed on a single 8 x 10" piece of paper.

Paterson offers four versions, but by far, the most popular is the 35mm version. It takes six strips of 6 exposures with bars to separate the strips. The 6 x 6cm model takes four strips and is suitable for 6 x 6cm, 6 x 4.5cm, and 6 x 7cm formats. A larger version of the 35mm model accepts seven strips of six negatives to print onto 9.5 x 12" paper and is also available.

The Universal model takes 35mm or medium format negatives as there are no guide bars, just a single plate with plain glass on top to complete the sandwich.

Printfile CP-1 Contact Printing Frame

Printfile manufactures a super negative contact printing frame designed to make contact prints through any Clearfile, Kenro or Paterson negative storage sheet. With its extra-heavy optical glass, you get even pressure, which ensures direct contact prints from any 8 x 10 or 9.5 x 12" paper.

The other bonus is that the design does not have rails, meaning the proofer is equally suited for work with 35mm or 120 format negatives.

CONTACT PRINTING FRAMES

Code	Brand	Product	Description	Ex VAT	Inc VAT
26109	Clearfile	Printfile CP-1 Contact Proofer	Universal, 35mm or 120 format contacts onto 8 x 10" paper	58.33	69.99
26089	Paterson	Contact Printing Frame, 35mm/8x10"	PTP619; Prints 35 negatives on an 8 x 10" paper	56.83	68.19
26090	Paterson	Contact Printing Frame, 6 x 6cm/8x10"	PTP620; Prints 12 negatives on an 8 x 10" paper	56.83	68.19
26101	Paterson	Contact Printing Frame, Universal	PTP623; Prints 35mm or 6x6cm but without guide bars	57.49	68.99
26135	Paterson	Contact Printing Frame 9.5x12"	PTP621; 24 x 30cm	56.83	68.19

Paterson 2000D Enlarger Timer

This timer regulates the time required to switch your enlarger light on or off.

It works with any enlarger of up to 5 amps and sets exposure times via the + or - buttons in increments of 0.1 seconds in the range of 0.1 to 9.9 and increments of whole seconds in the range of 10 to 99 seconds. The brightness of the large digital display can be adjusted to a level suitable to the sensitivity of the photographic material in use. It can easily be read, even when set to a minimum.

After you put the paper under the enlarger, a single press of the Run button will switch on the enlarger for the required exposure time. It comes complete with a plug for your enlarger.

RH Designs Timer 3

RH Designs Timer 3, with its more enormous variable brightness complete with digital display, is probably the best enlarger timer we've ever seen.

Being a bridge to f-Stop timing, you can choose between seconds or an f-Stop readout in the display. The seconds go from one-tenth through to 99 seconds while the f-Stop range is in 1/6th separations.

The central illuminated dial controls all the functions by clicking and holding it, including a lamp focus feature. When you run the timer, it is complemented by the audible alarm signal, which you can use at the end of a sequence.

Made from a solid metal case, the connections are three-pin Schoko for power and enlarger hook-up.

ENLARGER TIMERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
9024	Kaiser	Digital Enlarger Timer	0.1 - 99 secs, 4030, 4 easy buttons	183.33	219.99
26589	Paterson	2000D Precision Enlarger Timer	PTP745; 0.1-99.9 seconds, with interrupt, digital	89.99	107.99
83001	RH Designs	StopClock Pro Enlarger Timer	F-Stop timing	299.17	359.00
83009	RH Designs	Timer 3	Probably the best enalrger timer ever made	182.50	219.00

SPARE ENLARGER LAMPS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26559	Lamps	P3/3 ES Screw Enlarger Lamp, 75W	Also for copy stands, 240V/75W	4.92	5.90
26560	Lamps	P3/4 ES Screw Enlarger Lamp, 150W	Also for copy stands, 240V/150W	9.83	11.80
12007	Lamps	Premium ES Screw Enlarger Lamp, PH-1400 240v 75w	230V/75W	16.66	19.99
26562	Lamps	A1/231 Enlarger Lamp 12V/100W	For most colour-heads 2 Pin	8.91	10.69
12154	Lamps	Beseler Printmaker 67VC Series Enlarger 82v 85w	ESJ 82v 85w halogen lamp for Beseler 67VC enlarger	23.17	27.8
68001	Lamps	Tricolour Enlarger Lamp, 35W	For old Philips, 14V 35W, need to order 3 lamps	16.66	19.99

Darkroom

Darkroom Lighting

Enlargers

Enlarging, Easels / Contact Frames

Timers

Finders & Meters

Print Processing

Print Washing/Drying

Inkjet Printers

INDEX

Darkroom

Darkroom Lighting

Enlargers

Enlarging, Easels / Contact Frames

Timers

Finders & Meters

Print Processing

Print Washing/Drying

Inkjet Printers

INDEX

Delta Projection Print Calculator Scale

One of the most challenging things to teach when a photography student is in the darkroom is how to get the correct exposure for their negatives. In time, the eye becomes an expert at choosing the best-timed exposure, but a little help is now available from Delta to get students to that point.

SECONDS

projection print calculator scale

Place on top of sensitized paper. Expose for 60 seconds with negative on top of enlarger. Develop paper and select exposure time in seconds that corresponds to the best appearing sector.

ITD/CPM, Inc., Dallas 75225   Product #12610
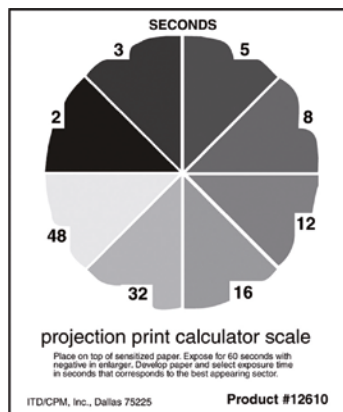
The Delta Projection Print Calculator Scale gives perfect exposures every time. It has eight pie wedges of calibrated, graduated density that helps determine the exposure time by showing the time in seconds. All it takes is one test exposure; you place the unit on a piece of graded or Multigrade paper and then expose your negative in the enlarger for 60 seconds. After developing this test exposure, you select the exposure time in seconds that corresponds to the best-appearing sector.

The Delta Projection Print Calculator Scale is easy to use and saves time, paper, and chemistry. The scale is 4 x 5 inches in dimension. For more accurate metering, we sell two units from RH Designs – their meter and the more advanced Analyser.

METERS & TEST STRIP PRINTERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
18005	Delta	Test Strip Printer, Print Projection Calculator Scale	Low-cost grey scale to make test prints	13.33	15.99
83002	RH Designs	Analyser, B & W, Pro	Enlarger Meter & Timer takes a footswitch	357.50	429.00
83006	RH Designs	Enlarging Meter, B & W, ZoneMaster IIm	Black and White Enlarging Exposure Meter with Grey Scale Display and built-in Densitometer function	299.17	359.00

Epson Perfection Scanners

Epson Perfection Scanners are ideal for converting your negatives or slides into digital files. The The V850 has multiple adaptors for 35mm or 120 films and can scan up to 12 images in one pass; see our website for more details.

Paterson Developing Dishes

These British-made trays are available for all popular print sizes up to 20 x 24" and are moulded from thick polypropylene. Perfect for developing your darkroom prints.

The specially designed base ribbing gives maximum economy for the solutions, and a moulding firmly supports a thermometer. You can buy them in all popular print sizes and in 3 colours to differentiate between chemicals under safelight conditions. The Base design gives the maximum economy of solution and easy print removal, Pouring lip for drip-free emptying.

We sell most dishes in sets of 3 with one of each colour (except the 20 x 24" size).

Paterson Focus Finders

The Paterson Micro Focus Finder or its big brother, the Major Focus Finder, is great for focusing on the grain on your baseboard from the enlarger. The Micro is lightweight, adjustable for users with different eyesights, easy to move around the baseboard, and uses a horse-hair to split-image fine focusing. The Major version is over twice the size of the Micro Focus Finder. This taller instrument enables the enlarger controls to be comfortably reached when making large prints, although it is equally suitable for smaller prints down to 3.5 x 4.5".

It is adjustable for individual eyesight and has a weighted base for extra stability.

FOCUS FINDERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26108	LPL	Focus Finder	5x magnification, offers precise sharpness	16.67	20.00
26093	Paterson	Focus Finder, Micro	PTP643. 20x magnification, offers precise sharpness	27.91	33.49
26095	Paterson	Focus Finder, Major	PTP644, For larger prints	56.83	68.19

EPSON SCANNERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
24031	Epson	Perfection V850 Pro Print & Film Scanner	6400 dpi, 35mm, 120 and 5x4 in film scans; print scans to A4	740.83	889.00

Print Tongs

Print tongs are needed to handle the prints in each of the developing dishes or when using the washers to avoid contamination or skin irritations. It would be best to dedicate different tongs to each chemical and thoroughly wash them after each session.

Paterson print tongs have textured sides for a firm grip and deep shoulders to stop them from sliding into the solutions. An attractive alternative is a hybrid version from AP, a print tong with a clamp built into the design, making it suitable for use as a film or print clip to hang your prints or films up to dry - a tremendous three-in-one aid. We also stock bamboo (sets of 3) and stainless tongs (singles) in our brand.

PRINT TONGS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26091	AP	Print Tongs, Set of 2	Plastic	6.16	7.39
38010	Firstcall	Print Tong, Stainless steel, Pack of 2	150mm / 6", with rubber tips	13.33	15.99
38011	Firstcall	Print Tongs, Bamboo, Set of 3	with rubber tips, in 3 colours	8.33	9.99
26092	Paterson	Print Tongs, Set of 3	PTP341; Plastic	9.74	11.69
26165	Paterson	Developing Dishes Set of 3, 5 x 7"	PTP330	12.66	15.19
26166	Paterson	Developing Dishes Set of 3, 8 x 10"	PTP334	14.16	16.99
26167	Paterson	Developing Dishes Set of 3, 10 x 12"	PTP335	17.24	20.69
26168	Paterson	Developing Dishes Set of 3, 12 x 16"	PTP336	26.22	31.46
26169	Paterson	Developing Dishes Set of 3, 16 x 20"	PTP337	34.83	41.79
26170	Paterson	Developing Dish Single, 20 x 24"	PTP328	28.66	34.39

Paterson High-Speed Print Washer

This washer is for RC papers; the flow pattern of the High-Speed Print Washer creates turbulence on both sides of the print to ensure it removes all chemicals thoroughly. There are two models: for prints up to 8 x 10" and for prints up to 12 x 16". They wash RC papers in 2 to 4 minutes with separators provided to keep small prints apart.

You get an outlet, an inlet hose, and a domestic tap adaptor with the washers.

A NEW RANGE OF NOVA ACADEMY WASHERS IS DUE TO BE LAUNCHED IN 2024

Deville Photolav Washer

The Deville Photolav attaches to the inside of any developing dish (from 12 x 16 inches and upwards), thereby converting a standard developing dish into a washer tray.

Its intelligent design achieves two things.

1) First, it drives the wash water at high speeds into the tray,

2) It pushes the fixer out from the bottom of the tray so that the paper is more thoroughly washed.

It is attached easily by using the generous hinge clip.

Paterson Auto Print Washer

When making prints on fibre-based papers, efficient washing is essential to avoid stains appearing. The Paterson Auto Print Washer provides the most rapid and effective method of washing this type of paper, as its unique agitation system removes all residual chemicals.

It will take up to twelve prints up to 10 x 12" or twenty-five 8 x 10 prints, each in its cradle; again, it fits a domestic water supply and includes fittings.

PRINT WASHERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26118	Deville	Print Washer, Photolav	Attaches to inside of dev.dishes 12x16 inch and larger	57.50	69.00
21032	Nova	Print Washer, Washmaster Eco, Fibre, 12 x 16in.	Archival fibre wash for 5 prints - 12 x 16in. maximum	299.99	359.99
26098	Paterson	Print Washer, Auto, Fibre 12 x 10in.	PTP231; Takes 12 prints, up to 12 x 10inch	127.24	152.69
26099	Paterson	Print Washer, High Speed, RC, 8 x 10in.	PTP235; Up to 2 prints, maximum 8 x 10inch	32.49	38.99
26100	Paterson	Print Washer, High Speed, RC, 12 x 16in.	PTP250; Up to 2 prints, maximum 12 x 16inch	51.91	62.29

PRINT DRYING

Once you have dried your print, you can mount or present it in your portfolio. There are two primary methods to dry your prints – rack or heated dryers and the free way of hanging from a clothesline with pegs, which are still used but not recommended (due to curling).

Paterson RC Print Squeegee

Squeegees are specially designed to remove surplus water from both sides of prints on resin-coated paper for rapid and even drying. They will help you speed up your drying regardless of the final aid you use. Paterson's 9" extended version has soft rubber blades that prevent prints from being damaged.

It is suitable for prints up to 16 x 20" made from anti-corrosion materials, and resistant to all photographic chemicals. It also has a unique spring loading system on the floating action of one blade. A cheaper (and shorter) film and print alternative is available from AP.

REMEMBER
Washaid or Hypo Clearing Agent promotes the speed with which thiosulfate silver complexes wash out of paper (especially fibre-based paper) after fixing – which, in effect, reduces the wash time needed.

Delta Photo Blotter Dryer Book
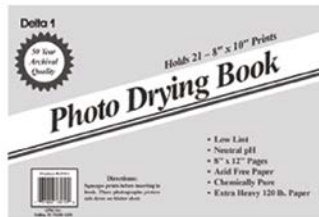
Acid-Free, this extra thick paper book, with dry wax interleaves, is the modern way to blot photo papers dry.

Instead of using single sheets, this blotting paper, buffered with calcium carbonate to eliminate acid transfer on prints, helps store up to 21 prints together for future finishing. The paper stock contains no sulphates that could harm your images, and we guarantee fifty years of archival quality, making it approved for museum use. Neutral pH: the actual size of the paper is 8 inches by 12 inches.

Paterson Drying Rack

Prints on resin-coated paper dry flat quickly in this rack, allowing free air circulation and holding up to 5 prints 12 x 16 inches or ten prints 8 x 10 inches or smaller. Special separators ensure minimum contact with the print.

The design of the rack is for resin-coated paper only.

PRINT DRYING

Code	Brand	Product	Description	Ex VAT	Inc VAT
14004	Delta	Photo Blotter Drying Book	Holds 21 - 8 x 10 in prints	40.83	49.00
26097	Paterson	Print Squeegee	PTP255; For prints up to 16 x 20in.	27.24	32.69
26102	Paterson	Rapid Print Drying Rack, 12 x 16in.	PTP258; For prints up to 12 x 16inch	37.49	44.99

Darkroom

Darkroom Lighting

Enlargers

Enlarging, Easels / Contact Frames

Timers

Finders & Meters

Print Processing

Print Washing/Drying

Inkjet Printers

INdEX

Epson Ink Jet Printers

Epson Expression Photo XP-15000 Photo Printer, A3+

Epson's XP-15000 provides ink economy, printing speed & (thick) media versatility, all at the larger A3+ size.

You can print from anywhere worldwide by emailing photos and documents directly to the printer: print long-lasting and professional-looking glossy photos with Claria Photo HD Inks. The set of six inks includes grey for superior black and white images with a smoother tonal gradation and red for vivid and realistic colours thanks to the wider colour gamut.

It is a compact and stylish A3+ printer with a small footprint that looks great from all angles.

- 6.1cm LCD
- High-quality photo printing: Six Claria Photo HD inks for long-lasting photos
- Flexible: Wi-Fi and Ethernet connectivity and easy mobile printing
- Dual paper trays: One for A3+ and another for photo paper
- Versatile media: Prints on thick card & CD/DVDs
- Automatic duplex: Save paper and money
- Up to 5,760 x 1,440dpi print resolution
- 500-760 pages ink yield (black/colour) per XL cartridge

WE STOCK A FULL RANGE OF CARTRIDGES FOR EPSON PRINTERS. SEE PAGE 55

Epson SureColor SC-P700 Photo Printer

The SureColor SC-P700 is Epson's top-of-the-range A3+ photo printer. This fast, flexible, easy-to-use printer, with superior productivity and wireless connectivity, prints professional-quality photos in sizes up to A3+. Ideal for amateur and semi-professional photographers, the SureColor SC-P700 is also perfect for any business that has a regular requirement for high-quality colour presentations.

Professional quality
Epson's ten-colour UltraChrome HD inkset has an improved wide colour gamut to produce superb quality prints. The highest black density (2.86 DMax on PGPP) produces deep, rich blacks and ultra-smooth tonal gradation.

Easy-to-use
The printer has a large 4.3-inch colour touch panel and is simple to set up and manage, even without a PC. Automatic Wi-Fi set-up makes connectivity a breeze.

Stay connected
Exceptional Wi-Fi Direct® wireless connectivity makes printing from smartphones, tablets and PCs easy, alongside Epson Connect support. Apple AirPrint supported. Google Cloud Print is also supported.

Flexible printing
Twin paper paths enable A3+ printing on various photo and fine art papers, canvas and thick media. At the same time, the machine's roll-paper capability is perfect for high-impact panoramic images.

- Ten-colour UltraChrome Pro 10 HD inks
- Exceptional quality colour images with the deepest blacks and rich tones
- Wi-Fi Direct and Epson Connect, Apple AirPrint, and Google Cloud Print
- Easy to connect wirelessly and over the Cloud
- High speed
- Produce an 11 x 14-inch print in only 153 seconds
- Large colour 4.3-inch touch screen
- Easy to set up and manage
- Generous ink cartridge size (25ml)
- Expanded blue colour gamut
- Deepest black tones on the market
- Quality output: Black enhances overcoat technology for finer detail and texture
- Ideal for medium volumes of professional-quality photo prints

Epson SureColor SC-P900 Photo Printer

The SureColor SC-P900 is Epson's top-of-the-range A2+ desktop Professional Photo printer. This superior-quality printer uses UltraChrome HD ink and is ideal for professional photographers and artists wishing to produce true-to-life photos on various media.

Thanks to Wi-Fi connectivity, you can easily print from several devices, including tablets, PCs and smartphones. Using UltraChrome HD ink, the new nine-colour ink set produces true-to-life photos with vivid colours and the deepest blacks on the market. Your prints will last for ages thanks to the inks' improved lightfastness, and sizeable 50ml ink cartridges mean fewer trips to change the ink.

The SC-P900 is the smallest A2 printer with a roll paper option, which enables you to print panoramic photos on formats such as banners and gallery wrap canvas. Three paper paths, including a front-loading fine art paper path, meaning you can easily switch between different formats. With the SC-P900, it is easier than ever to print from a range of devices. It also offers wireless functionality, and with Epson Connect compatibility, easy printing from tablets, PCs and smartphones is a simple task. Wi-Fi Direct is also supported, meaning the printer can easily communicate with your smart devices.

The SC-P900 features quick, simple set-up and operation thanks to a large 2.7-inch colour touch panel. It guides the user through how to load different media types. It enables them to switch between these before printing quickly - and we nearly forgot - the best bit about this printer is that it will print images up to 10 feet long with the roll paper adaptor (optional extra – unfortunately).

- Ten-colour UltraChrome HD inks
- Exceptional quality colour images with deepest blacks and rich tones
- Wi-Fi Direct and Epson Connect
- Easy to connect wirelessly and over the Cloud
- High speed
- Produce an 11 x 17" print in only 153 seconds
- Roll paper option- prints 17" prints up to 10' long
- Large colour 2.7" touch screen
- Easy to set up and manage
- Generous ink cartridge size 50ml size
- Ideal for medium volumes of professional-quality photo prints
- Uses T47 cartridges

EPSON PHOTO PRINTERS

Code	Product	Description	Ex VAT	Inc VAT
23941	Expression Photo XP-15000 Photo Printer, A3+, Wi-Fi	6 individual XL inks, prints on thick media, up to 32 ppm (mono)	266.66	319.99
24037	SureColor SC-P700 Professional A3+ Photo Printer, Wi-Fi	9-colour UltraChrome HD inks, Wi-Fi Direct and Epson Connect	565.83	679.00
24042	SureColor SC-P900 Professional A2+ Photo Printer, Wi-Fi	10-colour UltraChrome HD inks, Wi-Fi Direct and Epson Connect	899.17	1079.00

Canon Ink Jet Printers

Canon PIXMA PRO-200S Photo Printer

With Canon's PIXMA PRO-200S professional A3+ photo printer, you can take the perfect shot, then pair it with the ideal printer to complement your creativity.

The Canon PIXMA PRO-200S is designed for aspiring photographers to show their true colours in print. Vibrant professional printing and exceptional colour reproduction are just a few clicks away with our new 8-ink dye-based system, helping bring your photos to life. Compact, versatile, and easy to use, Canon PIXMA PRO-200 will help you print like the pros. You get excellent results every time, from fine art, glossy, borderless, and panoramic media handling to auto skew correction and three paper feed options. Backed by exceptional technology and software, like Canon's user-friendly Professional Print & Layout plugin for a one-stop edit-to-print experience, it's all at your fingertips thanks to a 3-inch LCD. This superb Canon A3+ printer also features ChromaLife 100+ inks, which have tested with the following characteristics:

- 300-year album life
- 30-year light fastness
- 20-year gas fastness
- Resisting heat and humidity
- Enhanced colour reproduction

The media range is excellent, too, with the PRO-200S accepting paper up to 350g/m2 in the manual feeder.

- Stunning photos up to A3+ at home
- Rich colours with 8-ink dye-based Chroma Life 100+ Ink System
- Quality grayscale prints with three mono inks
- Fast printing: A3+ photo in 1min 30sec
- Print plug-in for efficient workflow
- Wide range of media support
- Auto Skew Correction
- PictBridge WLAN

Canon PROGRAF PRO-300 Photo Printer

The imagePROGRAF PRO-300 offers superior colour and monochrome printing quality and productivity; this Canon A3 printer has the same print workflows as its larger imagePROGRAF PRO models. It gives you the easiest route to gallery quality results thanks to the Canon Professional Print & Layout software and plugin. This compact A3 printer works seamlessly with EOS camera technology to unlock unique features such as HDR and DPRAW for breath-taking fine art photography prints to display and cherish forever.

By connecting easily with a PC or Mac using Wi-Fi or ethernet, you achieve professional results on a wide variety of media up to A3+ in super-quick time, thanks to zero ink switching. You can also do borderless printing on glossy or fine art papers and panoramic images to custom lengths up to 990.6 mm. Using 10 LUCIA PRO pigment inks, the printer delivers outstanding colour with a dedicated chroma optimiser ink to reduce bronzing and deliver stunning tonal superiority.

The imagePROGRAF PRO-300's Matte Black ink enables the greater expression of monochrome images with deeper and more vivid blacks on fine art paper and prints with confidence thanks to a built-in nozzle recovery function that helps to reduce clogging, while built-in skew correction offers smooth media feeding.

Finally, we like the Canon Professional Print & Layout software and plugin, which takes colour matching to new levels of excellence.

- 3-inch LCD
- 10-ink system
- Borderless printing
- Chroma Optimiser
- Wi-Fi printing
- LUCIA PRO inks

Canon PROGRAF PRO-1000 Photo Printer

The imagePROGRAF PRO-1000 lets you create beautiful prints of your photography and artwork with rich colours and sharp details at an impressive A2 paper size. With 12 separate LUCIA PRO pigment ink cartridges, you get exceptional detail, deeper colours and richer blacks for photos that will stand out for both exhibitions and portfolios. Connectivity via Wi-Fi, mobile devices and cloud platforms ensures seamless and efficient printing sessions.

It optimises colour precision with smaller droplet sizes, deeper black densities, a wider colour gamut and uniform gloss. It also expands your options by moving effortlessly from gloss, matt, fine art paper and canvas printing, all borderless if preferred. Multiple black inks mean monochrome images printed with deep shades and smooth tones.

The printer can keep printing interruptions to a minimum with sizeable 80ml ink tanks and an easy-to-replace maintenance cartridge.

You can increase efficiency and boost professionalism with Canon's Print Studio Pro plug-in software launched from Adobe Lightroom, Photoshop, and Canon's Digital Professional software.

- 3-inch LCD
- 12-ink system
- LUCIA PRO inks
- Borderless printing
- Chroma Optimizer
- Wi-Fi printing
- Canon Print APP
- Uses PFI-1000 cartridges

CANON PHOTO PRINTERS

Code	Product	Description	ExVAT	Inc VAT
24099	PIXMA PRO-200S Inkjet Printer, Wi-Fi, A3+	8 inks, Direct Disc Print, Professional Photo Printer	382.50	459.00
24100	PROGRAF PRO-300 Inkjet Printer, Wi-Fi, A3+	10 inks, Direct Disc Print, Professional Photo Printer	549.17	659.00
24101	PROGRAF PRO-1000 Inkjet Printer, Wi-Fi, A2	12 pigment inks, Wi-Fi, Cloud Link, 3 inch LCD, Professional Photo Printer	857.50	1029.00

Darkroom

Darkroom Lighting

Enlargers

Enlarging, Easels / Contact Frames

Timers

Finders & Meters

Print Processing

Print Washing/Drying

Inkjet Printers

INDEX

Film Cameras

Digital Cameras

Lenses

Tripods

Camera Power

Camera Memory /
Portable Storage

Camera Accessories

INDEX

| PHOTOGRAPHIC EQUIPMENT |

FILM CAMERAS

Film is the starting point for all analogue photographers. To many, taking a picture using a film camera is the major attraction over digital alternatives. This often superior feeling results from having to think about how you will record the image, rather than the "just defaulting to the disposal option" of many digital photographers who can keep repeating the shot until the "camera" produces a satisfactory outcome.

There are few manufacturers of new SLR film cameras now, except for the niche and expensive offering from Leica. However, at Firstcall, we aim to keep the art of film photography alive and offer various solutions – unfortunately, only secondhand now for film SLR cameras.

Second Hand 35mm Film SLR

With the prospect of no more new film SLR cameras, we have embarked on an innovative solution by combining used Pentax SLR film cameras with a new Phenix 50mm f1.7 lens. Available in three different body types, each comes with a 3-month guarantee, and prices range from just £137 to £239; this is an excellent way to purchase reliable and inexpensive film SLR cameras. Your model choice will depend on the availability of supply.

Pentax P30/T c/w c/w 50mm Lens

The Pentax P30 is an entry-level 35mm manual focus camera that offers the choice of Programmed AE, Aperture-Priority AE, Metered Manual and Programmed Auto Flash. The P30 provides a titanium foil shutter with 1/100th flash sync, a top shutter speed of 1/1000th and TTL (Through-The-Lens) flash metering.

It accepts all lenses compatible with the Pentax K-mount bayonet lens mount. This camera includes a Phenix 50mm f/1.7 lens. The P30N is similar but in Grey and has a diagonal focus.

- Full-featured Multi-mode Pentax in the Classic style
- Open-aperture, TTL centre-weighted, average area metering system
- 1/100th flash sync capability
- 1/1000th maximum shutter speed
- TTL flash metering

Pentax ME Super c/w 50mm Lens

The Pentax ME Super is an aperture priority exposure film SLR with full manual override, manual focus and manual wind-on. Robust construction, simplicity and ease of use have made it a top second-hand purchase for photographic students.

It accepts all lenses compatible with the Pentax K-mount bayonet lens mount. It is a classic, solidly constructed, all-manual 35mm SLR camera that is straightforward to use, having no fully automatic mode like the MZ ranges.

Like the others, we include a 50mm f/1.7 Phenix lens, which accepts 49mm filters and accessories.

Pentax K1000 c/w 50mm Lens

The iconic Pentax K1000 was Pentax's classic intro-level film SLR, which gained popularity among photography students due to its rugged build and low price.

The original K1000 was a KM without the depth of field preview and self-timer. The top and bottom plates were changed from metal to plastic in the final production run, and the camera comes with a Phenix 50mm f1.7 lens.

Please remember that any of our second-hand K1000 cameras will be at least 20 (and some nearer to 40) years old. While owning a classic is nice, buying a more recent P30 or MESuper model with more features and reliability might be more prudent.

- Year introduced: 1976
- Mount: K
- Meter range: 3 - 18 EV
- Meter pattern: c
- ISO range: 20-3200
- DX ISO range: No DX coding

Praktica MTL3 c/w 50mm Lens

The Praktica MTL3 was Praktica's classic entry-level film SLR, which was

made in East Germany by Pentacon, using the 42mm screw mount. It was produced between 1978 and 1984 and is based on the LTL 3. It's solidly made, and we sell it because it is a fully manual camera that teaches newcomers to film photography the essentials of light control without an auto button. It's also fully repairable, unlike so many other big brand alternatives.

In many ways, its features are very similar to the Pentax K1000, and it is an equally heavy camera. However, on the plus side, it's one of the cheapest entry SLR cameras for film photography students.

ISO Setting: ISO 12 to ISO 1600, Shutter Speed: B, 1 second to 1/1000, sync at 1/125, Aperture: f/1.8 to f/16 and Automatic exposure control system are among the key specifications.

| **PHOTOGRAPHIC EQUIPMENT** |

Film Cameras

Digital Cameras

Lenses

Tripods

Camera Power

Camera Memory / Portable Storage

Camera Accessories

INdEX

HP5 Single Use Camera

We sell Harman's real black and white single-use camera with flash preloaded with Ilford HP5, perfect for parties or wedding celebrations.

You process HP5 in B&W chemistry, meaning you process it yourself if you are prepared to open the camera – or send it back to Ilford for processing and printing. The current cost from the IlfordLabDirect is £11.50 and returned using Royal Mail. Each camera has 27 pictures with a full flash on/off function, and the high-speed (ISO 400) B&W film guarantees excellent results each time. You can also get this version with processing by Ilford included.

Ilford Sprite 35-II Camera with Flash

This new offering from Ilford is one of the best inexpensive film cameras you could give to a photographic beginner. It offers vintage styling; load any 35mm film, hit the shutter button and wind the film lever on to advance to the next shot.

It's reusable, so films can be processed personally or in a photographic minilab. Four colour options are available: red, blue, black or silver. It has a fixed shutter speed (1/120s) with a 31mm, single element f9 fixed-focus wide-angle lens and built-in flash with a 15-second recycle time.

Holga 120

For medium format, the primary Holga film camera in 120 format costs less than £30, but we recommend the Holga 120 GCFN. With a built-in flash incorporating a colour filter wheel, the GCFN allows you to choose different colours to splash/flash your subjects.

Reto Ultra Wide Slim 35mm Camera

Reto's slim and lightweight 35mm film camera sets it above and beyond the current plethora of new plastic camera introductions in the last 18 months (Kodak, Agfa et al.) by being small in size, including a well-built ultra-wide lens of 22mm and offered in five contemporary colours. We are stocking them all - classic Charcoal and Cream and voguish colours of Murky Blue, Pastel Pink and Muddy Yellow.

Features
- Ultra-wide angle lens - capture wide views and put everything in the picture
- Super light and slim - pocket-size camera which weights only 68.8g
- Point and shoot - perfect for street snapshots to record your everyday life

We suggest you use ISO100/200 films if you shoot in bright sunlight and ISO400 or above for sunny or cloudy days.

Specifications
- Film Format: 135 Film (24x36mm)
- Optics Lens: 22mm, F=11,
- 2-element Optical Grade Acrylic Lenses
- Focusing: Focus Free, 1m~Infinity
- Shutter Speed: 1/125s
- Film Transport: Manual wind and rewind
- Dimensions: 100(W)x59(H)x28(D) mm
- Weight: 68.8g
- Main Material: ABS

FILM CAMERAS

Code	Brand	Product	Ex VAT	Inc VAT
26473	Fujifilm	QuickSnap Flash Single Use Camera	14.99	17.99
11164	Harman	HP5 Plus Single Use camera with flash, 27 exp	14.99	17.99
11166	Harman	HP5 Plus Single Use camera +flash, 27ex, inc processing	19.74	23.69
11167	Harman	Reusable Camera with Flash, inc.2x 36 exp. film	30.91	37.09
31200	Holga	120N Medium Format Camera Black	24.99	29.99
31201	Holga	120WPC Medium Format Wide Angle Pinhole Camera Black	37.50	45.00
31202	Holga	120GCFN Medium Format Camera Black	35.83	42.99
11177	Ilford	Sprite 35-II Camera with Flash, Black	31.66	37.99
11178	Ilford	Sprite 35-II Camera with Flash, Silver	31.66	37.99
11179	Ilford	Sprite 35-II Camera with Flash, Black/Red	27.49	32.99
11180	Ilford	Sprite 35-II Camera with Flash, Black/Blue	27.49	32.99
90575	Kodak	EKTAR H35 Half Frame Camera Black	41.66	49.99
90576	Kodak	EKTAR H35 Half Frame Camera Brown	41.66	49.99
90577	Kodak	EKTAR H35 Half Frame Camera Sage	41.66	49.99
90578	Kodak	EKTAR H35 Half Frame Camera Sand	41.66	49.99
90535	Lomography	Black and White Simple Use Camera	16.21	19.45
90536	Lomography	Color Negative Simple Use Camera	23.33	28.00
90540	Lomography	Metropolis Simple Use Camera	19.08	22.90
90036	Pentax	ME Super Body c/w Phenix 50mm f1.7 Lens	155.00	155.00
90039	Pentax	P30N Body c/w Phenix 50mm f1.7 Lens	137.00	137.00
90055	Pentax	K1000 Body c/w Phenix 50mm f1.7 Lens	239.00	239.00
90549	Reto	RETO3D Classic 35mm 3D Camera	74.17	89.00
90570	Reto	35mm Ultra Wide Slim Camera, Charcoal	29.99	35.99
90571	Reto	35mm Ultra Wide Slim Camera, Cream	29.99	35.99
90572	Reto	35mm Ultra Wide Slim Camera, Murky Blue	29.99	35.99
90573	Reto	35mm Ultra Wide Slim Camera, Pastel Pink	29.99	35.99
90574	Reto	35mm Ultra Wide Slim Camera, Muddy Yellow	29.99	35.99
26296	Washi	Z Single Use Camera, 24 exposures	8.74	10.49

| PHOTOGRAPHIC EQUIPMENT |

Intrepid Cameras

This British company, now being proudly distributed to the educational market, produces the best value range of large-format cameras available. On top of the camera, you will need to buy a lens board (which Intrepid make) and lens (which they don't, but plenty of secondhand options are still available from Nikkor, Fuji, Schneider or Rodenstock). You will also need a film holder, which we sell from Toya, and a dark cloth to aid with focussing outside – again available from Intrepid.

Intrepid Black Edition 4x5

The premium edition Intrepid 4x5 features a sleek 'all black' design, made primarily of high-quality 3D-printed parts, all produced and assembled in-house.

The base and front standard supports are anodised aluminium for increased stability, and the bellows are signature water-resistant Nylon. The camera also features the exact rear-controlled focus system and fully independent front standard movements of the 4x5 MK4.

As with all Intrepid Cameras, versatility is critical; the universal Graflok back means you can mount a whole range of roll film adapters (from 6x6 to 6x17), Polaroid/instant film backs and, of course, the Intrepid Enlarger.

The ideal companion for any situation, from the studio to a mountainside, and at just 1 kg, you will barely notice the weight.

Intrepid 4x5 Lens Boards

The Intrepid 4x5 Lens Board is designed to fit all Intrepid 4x5 cameras perfectly.

Large format lenses are interchangeable across different camera brands; you first need to attach them to your camera's right lens board to mount them. The Intrepid 4x5 takes 96mm x 99mm lens boards, or you can use most Linhof / Technika style boards as they are the same size.

The Intrepid 4x5 accepts focal lengths from 75 mm to 300 mm, but if you start with 4x5, we recommend getting yourself a 150mm lens first. Equivalent to a 50mm lens on a 35mm camera and considered the 'standard focal length', it is roughly what the human eye sees.

Lens boards come in three sizes corresponding to your lens's shutter size. Copal is the most common type of shutter, and most other shutter types (Seiko and Compur) come in these three standardised sizes.

The Lens board size is 96mm x 99mm

- Copal #0 – 34.6 mm
- Copal #1 – 41.6 mm
- Copal #3 – 65 mm

Intrepid 4x5 MK4

In its 5th generation, the Intrepid 4x5 is a modern rethink of the traditional large-format field camera.

While super lightweight (at 1.2kg) and fast to set up, it is also incredibly hardwearing and reliable, producing excellent results regardless of the conditions. The aluminium base, rear focus and linear guides are features usually only seen in high-end cameras and allow for consistent pin-sharp focus and increased stability even with the heaviest lenses.

The 4x5 MK5 is the perfect companion for any situation, but it thrives when put through its paces out and about. Versatility is key with every aspect, and whilst being able to shoot all 4x5 sheet film, you can also shoot wet plate (collodion), instant film, and 120 roll film thanks to the Graflok clips on the rear standard.

Intrepid 4x5 Dark Cloth

These custom Intrepid dark cloths are hand-produced in Washington, USA, by Wanderer. Each is designed to match seamlessly with the bellows colour of your Intrepid 4x5 or 5x7 camera.

You are made from hand-selected thick cotton with a smooth black twill interior to block out as much light as possible. Each dark cloth also features an elastic drawstring to secure it neatly around your camera, so there is no need to hold it in place or worry about it blowing off in the wind.

Care is put into every detail of the cloths, from the material choice to the hand-embroidered Intrepid logo in the bottom corner.

Dimensions: 91cm x 122cm (36" x 48")

INTREPID LARGE FORMAT CAMERAS

Code	Product	Description	Ex VAT	Inc VAT
9103	4x5 Black Edition	Premium edition Intrepid 4x5 features a sleek 'all black' design,	316.67	380.00
9104	4x5 MK5 (Blue Bellows)	Modern rethink of the traditional large format field camera.	283.33	340.00
9105	4x5 Lens Board Copal #0	Intrepid 4x5 Lens Board is designed to perfectly fit all Intrepid 4x5 cameras	15.00	18.00
9106	4x5 Lens Board Copal #1	Intrepid 4x5 Lens Board is designed to perfectly fit all Intrepid 4x5 cameras	15.00	18.00
9107	4x5 Lens Board Copal #3	Intrepid 4x5 Lens Board is designed to perfectly fit all Intrepid 4x5 cameras	15.00	18.00
9108	4x5 / 5x7 Dark Cloth Blue	Matches the bellows colour of your Intrepid 4x5 or 5x7 camera.	59.17	71.00
9109	4x5 / 5x7 Dark Cloth Black	Matches the bellows colour of your Intrepid 4x5 or 5x7 camera.	59.17	71.00
9110	4x5 Pinhole Lens	Create long exposures and sharp images with your 4x5 camera	25.00	30.00
9120	Lens Board Adapter	Allows use of lenses mounted on your Intrepid 4x5 boards with your 8x10 camera	33.33	40.00

Pinhole & 3D Cameras

The concept behind pinhole cameras has been known since the eighteenth century when artists used a camera obscura (dark chamber) as an aid to drawing. It was a box with a lens at one end and a sheet of tracing paper at the other. You pointed the camera obscura at the scene, and then you traced the outline of the scene onto the paper.

A pinhole camera does not use a lens. It is a black box with a small pinhole at one end. Light passing through the pinhole forms the image. The distance from the pinhole to the back of the box determines how much of the scene you can record.

RETO3D Classic 35mm 3D Camera

RETO3D simultaneously captures the same object with three slightly different angles, thanks to their triple-lens design. A 3D effect is shown by stitching the three photos together. Compared with other cameras, which can only produce static images with a single lens, RETO3D creates more lively photos. 3D photography is more than a hobby; it is a form of art.

The three images you record each time you take a picture are developed typically and scanned to upload to the RETO3D App (free from your usual App Store). Using the App, they are then stitched together to give the fantastic 3D effect images that are gaining popularity on social media sites like Instagram.

RETO3D goes beyond and enhances the excitement of a static photo. Especially in sports events - when the athlete jumps, or the ball is kicked in the air - there is a unique opportunity to use it in capturing explosive motions. Our favourite pictures come from social gatherings like parties and concerts where a lot is happening, and foreground and background retain interest.

Now only available in original charcoal colour.

Features
- 35mm Film - suitable for 35mm negatives and slides
- Built-in Flash - enables you to photograph day and night
- Film Reload - not just a one-go toy but your all-time favourite
- Focus-free - quick snap creates a great form of art
- Lightweight - turn it into your daily-life accessory
- Easy-to-use - all photography lovers are welcomed
- Affordable - an excellent gift for yourself and your loved ones
- App Support - upload and stitch multiple images into 3D GIFs in a few seconds

Ilford Obscura Pinhole Camera Kit

Ilford's high-quality Pinhole camera sits halfway between our MDF camera and its own Titan range and is one of our best pinhole camera sellers.

Ilford makes the Obscura from blown polyurethane with a chemically etched stainless steel pinhole lens. Uniquely, it employs magnets to keep the shutter cover in position (either open or closed). The two outer parts of the camera slide into each other and are yet again held in place by magnets.

When you position paper or film in the chamber, the other part of the camera slides on top of it and holds it in place, resulting in a single exposure with a border. Thus, the Obscura does not employ a dark slide, but you get film, paper and exposure calculator and complete instructions in the kit.

Harman Titan Pinhole Camera

The Harman Titan pinhole camera is made from an injection moulded ABS, built in the UK by Walker Cameras. They finish it with a very durable non-slip coating. All fittings are made from stainless steel, and the camera comes complete with built-in spirit levels, tripod mount positions and an accessory shoe.

The construction makes it ideal for student photography work as it can withstand extreme natural elements and rough handling, and you can demonstrate pinhole photography with film and paper. You will need a (Darkslide) film holder to use it. It comes with a chemically etched pinhole, a tripod mount position, and an Exposure Calculator.

PINHOLE CAMERAS

Code	Brand	Product	Description	Ex VAT	Inc VAT
11161	Fidelity	4 x 5-inch film holder, Used	For use with 4 x 5 Large Format Cameras	33.33	40.00
11162	Fidelity	8 x 10-inch film holder, Used	For use with 8 x10 large Format Cameras	100.00	120.00
11441	Firstcall	Double Etched Pinhole Lens and Exposure Kit	0.3mm, fits Coke or Beer can cameras	10.49	12.59
11159	Harman	Titan 4x5 Pinhole Camera	Includes camera, exposure calculator and instructions	188.33	225.99
11170	Harman	Toyo double film holder 5 x 4 inches	For 5 x 4 cameras, such as the Interpid 4x5 or Harman Titan 4x5 pinhole camera.	90.83	108.99
11169	Ilford	Obscura Pinhole Camera Kit	Pinhole camera with magnetic shutter and lock. Includes film and paper.	108.33	129.99
9110	Intrepid	4x5 Pinhole Lens	Create long exposures and sharp images with your 4x5 camera	25.00	30.00
90549	Reto	RETO3D Classic 35mm 3D Camera	Create 3D effect pictures from a standard 35mm film	74.17	89.00

DIGITAL SLR CAMERAS

Film Cameras

Digital Cameras

Lenses

Tripods

Camera Power

Camera Memory / Portable Storage

Camera Accessories

INDEX

Canon EOS 2000D

- 24 MP CMOS sensor
- ISO 6400 (12800)
- Scene Intelligent Auto
- 9-point Autofocus
- Three fps
- 7.5 cm screen
- 1080p Full HD movies
- On-camera guide
- 58mm filter thread
- WiFi connectivity
- NFC Smartphone connectivity
- LP-E10 Battery

The EOS 2000D is Canon's recommended entry-level digital SLR. It is an advanced, compact and lightweight camera that offers an ideal way for you to take your first steps into DSLR photography.

It is perfect for first-time photographic students and has the usual array of scene modes from fully manual to fully automatic or a range of semi-automated modes in between. We especially like the camera's impressive low-light capabilities.

A 9-point AF system featuring points spread across the frame ensures no matter what you are shooting, you capture the entire scene in beautiful, detailed quality. With rapid continuous shooting, you can record a series of images at up to three frames per second - ideal for capturing bursts of fast-moving action.

You also get full HD movies (1080p) that offer movie recording with a quick record button on the back of the camera; no detour via the menu settings required. It includes Wi-Fi and NFC connectivity and sharing in the classroom or at home.

Nikon D3300

- 24.2 (total 24.7) megapixel DX-format CMOS sensor with 12-bit resolution, made by Nikon
- 1080p Full HD movie mode with frame rates up to 50/60 p
- Nikon Expeed 3 image/video processor
- Active D-Lighting
- Live view
- Automatic chromatic aberration correction
- Image Sensor Cleaning function by vibrations and Airflow Control System
- Image area Pixels is the DX Format
- Storage media is either SD, SDHC or SDXC, UHS-I bus mode, and Eye-Fi Wireless LAN
- GPS interface for direct geotagging supported by Nikon GP-1
- Filter thread: 55mm
- EN EL-14 battery

Nikon's entry-level basic D-SLR from a few years ago makes it easy to shoot high-quality images and share them instantly. We're now listing this model for education departments or students who want an ideal step-up camera from snapshots to photography but don't want to pay the ever-increasing prices for a new camera. Although secondhand, each camera is checked and serviced before sale and comes with a charger, battery, and strap.

For peace of mind, it also comes with a six-month warranty. The D3300 achieves stunning shots in low light and lets you create portraits with smooth background blur. Scene Recognition System enables beautiful pictures with sharp focus and appropriate brightness and colour by recognising the subject and scene conditions before capture.

It offers a broad ISO sensitivity with a range of standard-setting from ISO 100 to 6400. You can set it to ISO 12800 equivalent. You can shoot continuously at high speed at approximately four frames per second to capture decisive moments reliably.

The large, easy-to-view LCD monitor is high-definition with approximately 921k dots and a 7.5 cm/3 inch wide-viewing-angle LCD monitor. It takes all Nikon-mount AF-S and AI lenses.

Canon EOS 850D

- 24.2 Megapixel Hybrid CMOS AF sensor
- Creative 4k movies (60p) with continuous focus (Dual Pixel CMOS AF)
- Digic 8 Processor
- 5 axis-digital image stabilisation
- Vari-angle Clear View LCD II Touch screenScene Intelligent Auto
- Wi-Fi, Bluetooth and NFC connectivity
- ISO 100-to ISO 25600
- Seven fps shooting 45-point AF system
- Range of Creative Filters
- LP-E17 Battery

The EOS 850D is a step-up camera for those who want to engage in studio work. It can record exceptional levels of detail even when shooting in low light conditions, thanks to an impressive ISO range of 100-12800.

The vari-angle touchscreen makes it easy to control the camera from any angle or shooting position, particularly for ground macro shots, overhead crowd shots, or stage shots. A continuous shooting rate of 7 frames per second (fps) ensures that you can capture sport or action shot sequences with a high probability that you have caught just the right moment. In 4k movie mode, a lot of DSLRs do not refocus during filming. It is mainly due to the light path between the lens and phase-detection AF being interrupted by locking up the mirror for the live view - but the Dual Pixel CMOS AF of the EOS 850D overcomes this problem by offering contrast-detection AF for these situations.

Canon EOS M50 Mark II

The Canon EOS M50 Mark II is a new mirrorless camera from Canon, designed for photographers and videographers who want a high-quality image and video capabilities in a compact and lightweight body. This camera is a new refreshed version of the popular Canon EOS M50. It offers several new and improved features, including a high-resolution electronic viewfinder, an enhanced autofocus system, and advanced video capabilities. With its 24.1-megapixel APS-C CMOS sensor and the powerful DIGIC 8 image processor, the M50 Mark II delivers sharp and detailed images, even in low light conditions.

With support for YouTube live streaming, vertical movies and microphone input, you can tell your story passionately, whether you're shooting photos or movies, vlogging or streaming.

This camera uses the Canon M series of lenses. If you already own a Canon Ef or EF-S lens, you'll need the Canon M Adaptor to connect them.

- 24.1-megapixel APS-C sensor – Great images and video and shallow depth of field
- 60p Full HD Movie with Dual Pixel AF – Superb video with continuous AF
- 4K and Vertical Movie modes – Enhance your videos and easily create content for social media
- Automatic video transcoding – Get ready-to-go movies from your camera to your phone
- Live YouTube streaming* – Stream live to your online audience from any Wi-Fi network
- Ten fps shooting – Capture fast-moving action and fleeting moments
- Use as a webcam – With EOS Webcam Utility for fantastic image quality

DIGITAL SLR CAMERAS

Code	Brand	Product	Description	Ex VAT	Inc VAT
62032	Canon	EOS 2000D Digital SLR Camera with 18-55mm IS II lens	24 MP, ISO 6400, 3 fps, Full HD movies, WiFi & NFC	433.33	519.99
62035	Canon	EOS 250D Digital SLR Camera with 18-55mm IS STM lens	24 MP, Full HD movies, ultra compact & lightweight	540.83	659.00
32661	Canon	EOS M50 Mark II Digital Camera with EF-M 15-45mm IS Lens	Compact System Camera with interchangeable lenses, 24 MP, articulated touch screen, 4k video	582.50	699.00
32660	Canon	EF-EOS M Mount Adapter	Adapter to attach Canon EF lenses to an EOS M camera body	95.83	115.00
62034	Canon	EOS 850D Digital SLR Camera with 18-55mm IS STM lens	24 MP, 4K movies, low light shooting	832.50	999.00
62027	Canon	EOS 90D Digital SLR Camera c/w 18-135 IS USM lens	33 MP, Wi-Fi, 11 fps, ISO 25600, 3840 x 2160 video resolution	1290.83	1549.00
27525	Nikon	D3300 Digital SLR Camera incl AF-S DX 18-55mm VR lens	Second-hand, 6 month warranty, 24 MP, ISO 12800, 60 fps, Full HD movies	249.17	299.00

Kodak Pixpro AZ425

- 20 Megapixel 1/2.3-inch CMOS sensor
- 42x zoom (35mm equivalent of 24 - 1008mm)
- 4x digital zoom
- Optical Image Stabilisation
- Continuous shooting
- ISO Up to 3200
- 31 Scene modes
- Program (P), Aperture (A), Shutter (S) and Manual (M) modes
- 4 Photo touch-up modes
- HDR mode
- Motion Panorama
- Macro at 1.6 cm distance
- 3-inch LCD
- Full HD movies at 30fps
- LB-60 Lithium Battery

Kodak's Pixpro AZ425 bridge camera offers an incredible focal range, a 35mm equivalent from 24mm wide-angle to 1006mm telephoto. Maximum apertures of f/2.6 - 6.0, an ISO range up to 3200 and optical image stabilisation ensure that images are vibrant and sharp. This is our suggestion for a low-cost bridge camera this year, with many other alternatives being discontinued.

The AZ425 has many features suitable for beginners in photography - but it also has many advanced functions, such as its 31-scene mode menu - and a full manual mode.

No photographic opportunity is beyond this bridge camera, whether it is landscape photography (24mm wide angle), wildlife photography (1000mm telephoto), sports (30 fps), Macro (1. cm super macro) or art (HDR,) – the Pixpro has it all covered all at a price that is equally outstanding too.

Cheapest Digital Compact Camera

- 18-megapixel CMOS sensor
- Full HD video recording at 30fps
- Optical zoom: 8x
- 2.7-inch wide LCD screen
- Image stabilisation
- Rechargeable battery with USB charging

The new Praktica Luxmedia BX-D18 Digital Camera brings videos bring memories to life. Shooting at a high bit rate of 30FPS, you can enhance your creativity with high-quality video at 1080p. For still shots, you can capture selfies or group shots using face detection and a self-timer mode with 2s, 5s or 10s intervals. Use the 2.7-inch LCD, red-eye reduction, and image stabilisation features to view your picture, adjust it, and then capture the perfect shot.

It has a rechargeable lithium battery, which can be charged through USB (cable included). It supports memory cards from 4GB to 32GB (sold separately) and is lightweight and portable for use on the go. It is excellent for beginners and students of photography.

LENSES

Sigma DC 105mm EX OS HSM Macro

- f/2.8
- Min. focus 8.3cm
- Weight 449gm
- Filter size 62mm
- Award-winning lens
- Fits: Canon (28300), Nikon (28301)

Canon EF-S 18-55 mm f/4-5.6 IS STM

- f/4-5.6
- Min. focus 250cm
- Multi-coated, 12 elements in 10 groups
- Filter size 58mm
- Image Stabilized
- If it gets damaged, this is the replacement lens you get with your original SLR camera.

Nikon 18-55mm f/3.5-5.6G AF-P VR DX NIKKOR lens (used)

- Maximum aperture range:f/5.6
- Minimum aperture range: f/22
- Min. focus 25cm
- Extra-low dispersion (ED) glass
- Multi-coated, 14 elements in 12 groups
- Filter size 55m
- Fits: All Nikon digital SLRs
- F Mount Lens / DX Format

If it gets damaged, this is the replacement lens you get with your original SLR camera.

Canon EF-S 55-250mm IS STM 4-5.6

- f/4-5.6
- Min. focus 86cm
- Multi-coated, 15 elements in 12 groups
- Filter size 58mm
- Image Stabilized
- Fits: All Canon Digital SLRs

Nikon 10-20mm f4.5-5.6 G AF-P DX VR Nikkor

- Maximum aperture range:f/4.5
- Minimum aperture range: f/22 to 29
- Min. focus 22cm
- Low-cost ultra-wide-angle zoom
- Multi-coated, 14 elements in 11 groups
- Filter size 72m
- Image Stabilized
- Fits: All Nikon DX (AFS-C) digital SLRs
- F Mount Lens / DX Format

Nikon 70-300mm AF-P DX NIKKOR 70-300mm f/4.5-6.3G ED VR

- Max aperture range:f/4.5-6.3
- Min aperture range: f/22 to 32
- Min. focus 1.1m
- Extra-low dispersion (ED) glass
- Multi-coated, 14 elements in 10 groups
- Filter size 58m
- Image Stabilized
- Fits: All Nikon digital SLRs
- F Mount Lens / FX/DX Format *157.5mm on DX cameras

CAMERA LENSES

Code	Brand	Product	Description	Ex VAT	Inc VAT
28527	Canon	EF-S 55-250mm IS STM 4-5.6	For compact sensor EOS models	257.50	309.00
28548	Canon	50mm f/1.8 STM lens	A portable and inexpensive standard lens	107.50	129.00
32671	Canon	EF-M 22mm f/2 STM Lens	Pancake lens for EOS-M Compact System Camera	190.83	229.00
67218	Canon	EF-S 18-55 mm f/4-5.6 IS STM Lens	For compact sensor EOS models; std zoom lens with IS	179.17	215.00
28520	Nikon	10-20mm f4.5-5.6 G AF-P DX VR Nikkor	For digital use only	257.50	309.00
28535	Nikon	70-300mm AF-P DX NIKKOR 70-300mm f/4.5-6.3G ED VR	VR technology facilitates shooting 3 stops slower	315.83	379.00
28543	Nikon	18-55mm f/3.5-5.6G AF-P VR DX NIKKOR lens (used)	Retractable lens mechanism	99.00	99.00
28105	Phenix	28-70mm Pentax PKA, f/3.4 - 4.8	Short zoom or portrait, fits all PK, Phenix etc	62.49	74.99
28106	Phenix	28-105mm Pentax PKA	Long zoom or portrait, fits all PK, Phenix etc	99.99	119.99
28117	Samyang	8mm f/3.5 Aspherical IF MC Fisheye CS II Canon	180 degree images with an APS Sensor SLR	249.17	299.00
28118	Samyang	8mm f/3.5 Aspherical IF MC Fisheye CS II Nikon AE	180 degree images with an APS Sensor SLR	249.17	299.00
28119	Samyang	14mm f/2.8 ED MK II Lens Canon	Super Wide Angle for APS-C, Full Frame and Film SLRs	332.50	399.00
28120	Samyang	14mm f/2.8 MK II Lens Nikon AE	Super Wide Angle for APS-C, Full Frame and Film SLRs	332.50	399.00
28300	Sigma	105mm F2.8 EX DG OS HSM Macro, Canon	1:1 Macro, min Aperture F/22, low dispersion glass	324.17	389.00
28301	Sigma	105mm F2.8 EX DG OS HSM Macro, Nikon	1:1 Macro, min Aperture F/22, low dispersion glass	324.17	389.00

DIGITAL BRIDGE AND COMPACT CAMERAS

Code	Brand	Product	Description	Ex VAT	Inc VAT
32700	Praktica	Luxmedia BX-D18 Digital Camera	18 MP, 8x zoom, Image Stabilisation, 30 fps, ISO 3200	74.17	89.00
32699	Kodak	Pixpro X55 16MP 5x Zoom Compact Camera - Black	16 MP, 5x zoom, Image Stabilisation, 10 fps, ISO 3200	91.66	109.99
32701	Kodak	Pixpro AZ425 Bridge Camera	20 MP, 42x zoom, Image Stabilisation, 10 fps, ISO 3200	183.33	219.99

Film Cameras
Digital Cameras
Lenses
Tripods
Camera Power
Camera Memory / Portable Storage
Camera Accessories
INDEX

Sidebar navigation: Film Cameras · Digital Cameras · Lenses · Tripods · Camera Power · Camera Memory / Portable Storage · Camera Accessories · INDEX

Lens Accessories

Firstcall Stepping Rings

These adaptor rings easily screw into the front of any lens and converts the thread size of your lens to the thread size of any other accessory (such as filters, hoods, flashes and lens converters).

The first number is always the lens thread size; the second number is the filter size of the accessory. If the first number is bigger, you will find that this is the step-down ring, but If the first number is smaller, it is the step-up. Our must-have accessory unlocks the full potential of your camera!

Kood Lens Caps

Kood makes their cheapest lens protector in a range of sizes 49 mm-77 mm, each with retractable catches built into the surface of the cap, which does not extend beyond the edge of the lens.

Firstcall Cap Keeper

Never lose another lens cap with this simple accessory that attaches to the lens by a rubber loop. The lens cap hangs loose when the lens is in use and is suitable for all lens sizes.

Firstcall Lens Hoods

Our rubber lens hoods help eliminate flare from external reflection and are collapsible for stow-away on camera.

Firstcall Filter Wrench

It is an odd lens accessory but valuable to have in your gadget bag as our filter wrench offers easy and safe removal of stuck filters (46-58mm). It grips the filter around the edge to allow easy unscrewing.

Adox Filters

Adox "SNAP-ON" gelatine filters are a new and unique idea in budget colour filters.
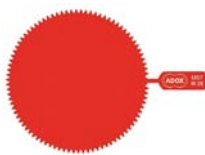
Each one increases your creativity at a fraction of the cost of a mounted(ringed) filter or a Cokin square alternative. Each is made with a patented shape that uses little teeth on the side to "bite" onto the inside of the camera lens's standard filter thread. If need be, you can press or screw them in a little for a little more compact fit. To remove it, you pull the little tab onto which the filter type and exposure factor are printed.

Each Adox gelatine filter uses Cibachrome(R) dyes, which are light stable and will not fade out. They are water repellent, so they can be used if it's raining, but you can also wipe them with a wet antistatic cloth to clean them.

Three versions are available:
- Infrared
- 85B Tungsten
- Yellow (8)

ADOX FILTERS

Code	Product	Ex VAT	Inc VAT
10240	Snap On Filter Yellow, 49mm	6.66	7.99
10241	Snap On Filter Yellow, 52mm	6.66	7.99
10242	Snap On Filter Yellow, 55mm	6.66	7.99
10243	Snap On Filter Yellow, 58mm	6.66	7.99
10250	Snap On Filter 85B, 49mm	6.66	7.99
10251	Snap On Filter 85B, 52mm	6.66	7.99
10252	Snap On Filter 85B, 55mm	6.66	7.99
10253	Snap On Filter 85B, 58mm	6.66	7.99
10260	Snap On Filter Infrared, 49mm	6.66	7.99
10261	Snap On Filter Infrared, 52mm	6.66	7.99
10262	Snap On Filter Infrared, 55mm	6.66	7.99
10263	Snap On Filter Infrared, 58mm	6.66	7.99
10266	Snap On Filter Infrared, 72mm	6.66	7.99
10268	Snap On Filter Infrared, 82mm	6.66	7.99

Extension Tubes

Getting close to your subjects can be costly; a 1:1 macro lens costs approximately £500. Extension tubes are a much more cost-effective way to take macro images.

Extension tubes are hollow metal rings between your camera body and a lens. Available as a set of three, with four possibilities of magnification, they enable you to convert almost any lens into a macro lens at a fraction of the cost while maintaining the optical image quality of the lens you have attached. All you need to ensure is that you have the correct fit for your camera. Always use manual mode (metering & focus), and ALWAYS mount your camera on a tripod. N.B. Only Kenko Extension Tubes allow for metering in your camera – others need manual metering.

Normal image using a camera lens
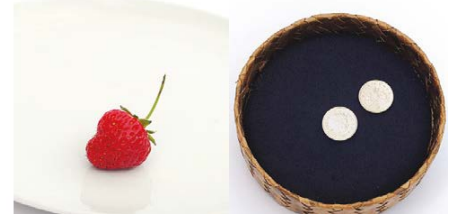
Get so much closer with an Extension Tube Set

LENS ACCESSORIES

Code	Brand	Product	Description	Ex VAT	Inc VAT
25133	Firstcall	Filter Wrench PK 2	Removes stuck filters (46-60mm) from lenses	4.41	5.29
26371	Firstcall	Rubber Lens Hood 55mm	Eliminates flare	1.66	1.99
26511	Firstcall	Cap Keeper	Never lose your lens cap, attaches to lens barrel	3.49	4.19
26874	Firstcall	Step Up Ring 52-67mm	Adjust lens filter sizes	7.08	8.49
26886	Firstcall	Step Up Ring 49-55mm	Adjust lens filter sizes	7.08	8.49
26887	Firstcall	Step Up Ring 52-55mm	Adjust lens filter sizes	7.08	8.49
26888	Firstcall	Step Up Ring 52-58mm	Adjust lens filter sizes	7.08	8.49
26889	Firstcall	Step Up Ring 52-62mm	Adjust lens filter sizes	7.08	8.49
26890	Firstcall	Step Up Ring 55-58mm	Adjust lens filter sizes	7.08	8.49
26895	Firstcall	Step Up Ring 58-62mm	Adjust lens filter sizes	7.08	8.49
26896	Firstcall	Step Up Ring 58-67mm	Adjust lens filter sizes	7.08	8.49
26897	Firstcall	Step Up Ring 58-77mm	Adjust lens filter sizes	7.08	8.49
26900	Firstcall	Step Up Ring 62-67mm	Adjust lens filter sizes	7.08	8.49
33224	Kelda	Conversion Lens Wide Angle 58mm	0.43x normal field of view	19.99	23.99
33227	Kelda	Conversion Lens Telephoto 58mm	2.2x normal field of view	26.24	23.99
33228	Kelda	Conversion Lens Tele Photo 67mm	2.2x normal field of view	26.24	23.99
26403	Kood	Snap Lens Cap 49mm	With built-in retractable catches	3.49	4.19
26405	Kood	Snap Lens Cap 52mm	With built-in retractable catches	3.49	4.19
26409	Kood	Snap Lens Cap 55mm	With built-in retractable catches	3.49	4.19
26412	Kood	Snap Lens Cap 58mm	With built-in retractable catches	3.49	4.19
26420	Kood	Snap Lens Cap 62mm	With built-in retractable catches	3.49	4.19
26421	Kood	Snap Lens Cap 67mm	With built-in retractable catches	3.49	4.19
26425	Kood	Snap Lens Cap 72mm	With built-in retractable catches	3.49	4.19
26426	Kood	Snap Lens Cap 77mm	With built-in retractable catches	3.49	4.19
26577	Kood	Extension Tube Set DG Canon Set of 3	28mm, 14mm & 7mm for digital or film SLRs	14.16	16.99
26598	Kood	Extension Tube Set DG Nikon Set of 3	28mm, 14mm & 7mm for digital or film SLRs	14.16	16.99
25521	Sigma	52mm Protector Filter	Thinner frame, clear glass filter to protect the lens	15.74	18.89
25522	Sigma	55mm Protector Filter	Thinner frame, clear glass filter to protect the lens	16.66	19.99
25523	Sigma	58mm Protector Filter	Thinner frame, clear glass filter to protect the lens	16.66	19.99

TRIPODS AND MONOPODS

A tripod or monopod ensures that the camera (during picture taking) will not shake when light conditions prevent hand-held shots. Any exposure longer than 1/50th of a second requires some form of support, and long-focus lenses working with smaller apertures may need a tripod for short exposures of just 1/125th of a second.

Always select the sturdiest and relatively heavy model you can, which is often countered by how far you intend to carry it during your camera shots. A cable release (electric or manual) is frequently required to make the camera shake minimally on the tripod. Choose ball and socket models for precise movement or pan and tilt for exact 3-way location.

Hama Tripods

Hama Star Tripods

Hama produces some of the best value-for-money tripods on the market. Their Star Tripod range, an excellent example of their product sourcing, has been a significant seller for many years due to being consistently available. The range comprises five models, each having braced legs for support (with rubber feet), a carry case and a 2-year warranty, all of which are important for educational customers.

Hama Star 75 Tripod

Weighing 620 g, this 3-way head, 3-section (19.8mm leg) tripod includes a quick-release platform and spirit level and folds to only 16.5 inches. The fully extended height is 48 inches.

Hama Star 61 Tripod

This tripod has the exact specification as the Star 75 but has a crank for elevation and closes down to 23 inches. It extends to 60 inches yet still only weighs 1.22 kg.

Hama Star 62 Tripod

This tripod is our choice for schools and colleges. It has a wider 0.90-inch leg, closes to 25 inches, and extends to 62 inches. It weighs 1.5 kg.

Hama Star 63 Tripod

Choose this model if you want all the features of the 62 model but with a wider (1.1 inch) leg that gives greater stability. You can raise the maximum height to 65 inches; the weight is only 1.74 kg.

Hama Star 63 Tripod

Hama Traveller 117 Ball Tripod

The Traveller 117 Ball Tripod is the perfect choice for on-the-go photographers. It is light, compact, distinguished by all-weather reliability and allows you to unburden yourself from unnecessary weight. A detachable centre column, low-angle photography and a protective bag all add up to an excellent value-for-money tripod package with a 2-year warranty. The simple, 3D ball head allows perfect alignment for shots in portrait and landscape format.

- Its compact size makes it ideal for travelling, holidays, hikes and outdoor trips
- Camera tripod for non-jerky images and a steady hold on uneven surfaces, suitable for photo and video cameras
- Lightweight aluminium design
- With the functional quick-action leg locks, you can quickly fix the tripod legs at the required height or position
- Rubber feet for a firm and steady grip
- Non-slip foam covers the legs, which makes the tripod suitable for all kinds of weather
- With a hook for weighing the tripod down in high winds and on rough terrain

Hama Traveller TAR Duo Tripod

This excellent value tripod offers features and benefits often only seen on tripods that are twice the price.

It comes with a ball head with a panorama function that perfectly aligns shots in portrait and landscape format. On the head is a quick-release plate for quickly changing the camera.

When in the inverted position, you can shoot macro photographs near the ground. In combination with a leg segment, you can use the removable central column as a fully functioning monopod.

Kenro Budget Video Tripod

We recommend the Kenro VT102 model as excellent value for money for a budget video tripod. Manufactured to exacting standards and made from high-quality Magnesium Aluminium Alloy, this tripod is light, stable, and durable with impressive load capacity. Hama supplies it with a smooth, fluid action video pan head. You can also buy the tripod in monopod form (same head) for 15% less and even the head by itself (if you already have a good tripod base).

- Number of Sections 3 Sections
- Maximum Leg Diameter 28mm
- Minimum Leg Diameter 22mm
- Maximum Working Height 1590mm
- Minimum Working Height 245mm
- Folded Length 790mm
- Weight 2.8 kg
- Maximum Weight Load 5 Kg

HAMA AND KENRO TRIPODS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26501	Hama	Tripod, Traveller 117 Ball	Four section, extendable low-level travel tripod, only 820g	41.66	49.99
26499	Hama	Tripod, Star 75	Basic but fully specified, 49in max.	18.74	22.49
26498	Hama	Tripod, Star 61	Same spec. as Star 75, braced legs, 60in max.	19.99	23.99
26497	Hama	Tripod, Star 62	Same spec. as Star 61, thicker legs, 62in max.	23.33	27.99
26496	Hama	Tripod, Star 63	Brace, crank, 3-way head, wide leg, 65in max.	29.16	34.99
26505	Hama	4154 Quick Release Plate for Star, 61, 62 or 63 Tripod	Replacement for the origianl quick release plate	9.16	10.99
55213	Hama	Mini Ball Tripod 4551	Ultra portable with ball tilt head, weighs only 124g	6.66	7.99
26502	Kenro	Tripod, VT102 Video	Superb video tripod, 3 section, 63in max	116.66	139.99

Sidebar navigation:
Film Cameras | Digital Cameras | Lenses | Tripods | Camera Power | Camera Memory / Portable Storage | Camera Accessories | INDEX

Slik Tripods – Extraordinary Value & Choice

Slik GX640 3-Way

Three GX640 models are listed in this range – all with the same legs, and then you choose your desired head – ball and socket, pan and tilt or fluid video. Each is a lightweight aluminium tripod with 4-section legs and quick lever locks, slide elevator, quick release camera mounting platform, rubber feet, ick release platform and free case.

- Leg width: 21cm
- Max Height 156cm
- Minimum Height 47.5cm
- Closed Length 47cm
- Number of sections 4
- Central crank handle
- Weight 1.22/kg
- Maximum Load 2.0kg

Slik GX640 Ball & Socket

This ball and socket version of the GX640 offers more precise control in picture taking over the easier-to-use pan and tilt version as the head can be set to any angle preferred.

- Leg width: 21cm
- Max Height 155cm
- Minimum Height 47cm
- Closed Length 46.5cm
- Number of sections 4
- Central crank handle
- Built-in spirit level
- Weight 1.09/kg
- Maximum Load 2.0kg

Slik GX640 Video

A video tripod is needed for those fluid movements when filming moving images but with so many still SLR cameras now capable of 4k video it's often preferable to opt for a 2-in-1 to cover both available in one tripod.

- Leg width 21cm
- Max Height 158cm
- Minimum Height 47.7cm
- Closed Length 47cm
- Number of sections 4
- Central crank handle
- Built-in spirit level
- Weight 1.29/kg
- Maximum Load 2.0kg

Benbo Tripod, Trekker Mk 3, Kit

The award-winning Benbo Trekker lets you swivel the joint at the top of the centre column through 180 degrees offering great flexibility when positioning your camera. This feature makes it suited when subjects need to be photographed from above or at a low angle.

Its stability is directly related to weight. The provision of a hook at the lower end of the centre column allows the temporary addition of extra weight (e.g. a camera bag) to provide further stability when long lenses are used on the camera.

The Benbo Trekker Mk 3 kit consists of the BEN107 Trekker Mk3 tripod, a BEN299 Compact Ball and Socket Head and a BEN503 Carry Bag.

- Leg sections 2
- Max height 160cm
- Max Load 8kg
- Min height 76cm
- Weight 2kg

Benbo Monopod

This two-section monopod utilises the 180° tilting camera mount from the Trekker tripod, making it one of the most versatile monopods on the market. The tilting mount allows the camera to be used in landscape and portrait modes without needing an additional ball and socket head.

The Camera mount can be adjusted through 180°, allowing the camera to be used in both portrait and landscape modes without needing an additional ball and socket head.

TRIPODS

Code	Brand	Product	Description	Ex VAT	Inc VAT
28449	Benbo	Tripod, Mini Trekker, Mk3	Table top or low level, extends to 28 inches	65.83	79.00
28450	Benbo	Tripod, Trekker Mk 3, Kit	Complete with Compact b/s head and bag	140.83	169.00
28453	Benbo	Monopod, Trekker	Two section, tilting mount, extends to 63 inches	30.83	37.00
10037	Manfrotto	290 Tripod - XTRA	3 section, Aluminium, Max height: 160 cm, Max load: 5 kg, Weight 1.8 kg	90.83	109.00
28464	Manfrotto	055 Tripod with XPRO Ball Head - MK055XPRO3-BHQ2	Aluminium 3-section with horizontal column	242.50	291.00
25881	Manfrotto	2 Single Arm (2 section) c/w camera bracket - 196B	For wheelchair bound photographers; fits into super clamp	34.13	40.95
25884	Manfrotto	Ball Tripod Head - MHXPRO-BHQ2	Triple lock magnesium precision b&s head	109.17	131.00
10013	Manfrotto	Monopod Tilt Head - 234 with Quick Release Plate	Simple tilt head for all monopods includes QR plate	30.00	36.00
25879	Manfrotto	Super Clamp - 035	Attach your camera or flash to most tubes and surfaces	28.99	34.79
25880	Manfrotto	Camera Stud for Super Clamp - 037	Attach your camera or flash to the Manfrotto super clamp	10.41	12.49
28475	Manfrotto	Quick Release Plate - 200PL	Spare QRP for Manfrotto products equipped with RC2/Q2 attachment	17.67	21.2
28662	Slik	PRO AL-324DX Tripod c/w SH-705E 3-way head	4 section tripod, with split column, great for macro work	90.83	109.00
28663	Slik	GX Mini Tripod with 3-way head	Table-top tripod, complete with a 3-way head and it weighs in at just 730g.	32.50	39.00
28664	Slik	GX 640 Tripod with 3-way head	A full-size photo and video tripod, complete with a 3-way head and it weighs in at just 1.22kg.	45.00	54.00
28665	Slik	GX 640 Tripod with ball & socket head	A full-size photo and video tripod, complete with ball head and it weighs in at just 1.09kg.	51.67	62.00
28666	Slik	GX 640 Tripod with video head	A full-size video tripod, complete with 2-way video head and it weighs in at just 1.29kg.	55.83	67.00
28667	Slik	504QF II Video Tripod with 2-Way fluid Video Head	A full-size video tripod, complete with 2-way video head and it weighs in at just 2.57kg.	115.83	139.00

CAMERA POWER

Traditional Film Camera Batteries

They contain a Silver Oxide meter and alkaline batteries that power the film motor drives or flash units. Lithium camera and meter batteries are also used in older film cameras where more power is needed, e.g., CR2 for those with built-in flash.

Rechargeable Batteries

AA rechargeable batteries are available in different mAh, meaning the higher that figure, the quicker they'll charge. Also, by using a charger with a display, it is possible to see how much power each AA battery will hold. We also sell AAA rechargeables.

Nikon Charger for under £13

We list an inexpensive charger for your Nikon digital SLR. It is a light and compact USB charger that allows you to charge your camera's battery in a car from a power pack or notebook. An LED function indicator gives information about the charge stated.

For Nikon ENEL14a battery used in Nikon D3300, D3500 & D5600 cameras.

Lithium-Ion DSLR Rechargeable Batteries

You can save substantial money buying a battery compatible with your digital SLR camera compared to the original camera brand version. Hama Lithium-Ion batteries are renowned for their quality, and these compatible batteries can save you up to 50% in these cases. Some brands like Nikon do not release their patents quickly, so regrettably, EL14 and EL15 batteries still have to be a Nikon sourced.

Ansmann Lithium-Ion DSLR Charger

The Ansmann Powerline Vario charger is a fast charger that will take most Li-Ion and Li-Po batteries (3.6V/3.7V or 7.2V/7.4V) used in digital cameras, camcorders, mobile phones, PDAs and MP3 players. The status of the cells is displayed on the LCD and includes a USB traveller power supply with a wide range of inputs (100-240V AC) and interchangeable main plugs for universal use. This means that whatever your make and size of the battery – the Powerline will handle it.

Firstcall Photographic is a trading name of The Flash Centre Limited, part of the LUMESCA Group

For a full range of digital photographic products visit:
www.theflashcentre.com

CAMERA POWER

Code	Brand	Product	Ex VAT	Inc VAT
26519	Firstcall	Battery 2CR5 Lithium, 6V	4.41	5.29
26520	Firstcall	Battery CRP2P Lithium, 6V	4.99	5.99
26523	Firstcall	Battery CR2032 Lithium, 3V	1.58	1.89
26524	Firstcall	Battery CR123A Lithium, 3V	3.49	4.19
26542	Firstcall	Battery CR2 Lithium, 3V	3.49	4.19
26567	Firstcall	Battery MN1500 AA size, Pack of 4	1.74	2.09
26568	Firstcall	Battery MN2400 AAA size, Pack of 4	1.74	2.09
26569	Firstcall	Battery MN1500 Lithium AA size, Pack of 2	5.24	6.29
26570	Firstcall	Battery 10L14 Duracell	1.91	2.29
26571	Firstcall	Battery PX625 1.5v	0.99	1.19
26572	Firstcall	Battery PX28, 6V, Pack of 2	6.99	8.39
26861	Ansmann	Powerline Vario Battery Charger	22.49	26.99
38400	Hama	Ni-MH 2400 mAh Rechargeable AA, Pack of 4	12.49	14.99
26856	Ansmann	Ni-MH 2850 mAh Rechargeable AA size, Pack of 4	11.24	13.49
51991	Hama	Li-Ion Camera Battery LP-E8	8.33	9.99
51996	Hama	Li-Ion Camera Battery LP-E10	14.91	17.89
51998	Hama	Li-Ion Camera Battery EN-EL15	39.16	46.99
52000	Hama	Li-Ion Nikon Camera Battery Charger for EN-EL14A	10.83	12.99
26544	Firstcall	Battery, Fuse & Bulb Tester	5.49	6.59

Film Cameras
Digital Cameras
Lenses
Tripods
Camera Power
Camera Memory / Portable Storage
Camera Accessories
INdEX

Film Cameras

Digital Cameras

Lenses

Tripods

Camera Power

Camera Memory / Portable Storage

Camera Accessories

INDEX

CAMERA MEMORY

Storage for a traditional film camera is simple, and we have many sleeves, albums and boxes to help organise and archive your favourite pictures. If you have a digital camera that does not use film, you need to consider your options more carefully. Of course, memory cards are the digital equivalent of film and can store many more images than a 36-roll film, but unlike film, they are not archivally safe. Card formats change, devices to read the pictures change and archiving has to be a regular rolling event using portable storage and backup devices.

SD Memory Cards & Compact Flash

Hama DSLR Memory Cards are our best seller – for a good reason: They are reliable, fast and reasonably priced.

We recommend their UHS cards that offer write speeds that are double standard Class 10 versions, thereby halving your wait time in camera and camera to the computer. In particular, the 16GB version is now only £5.79 inc VAT per card. Compact Flash cards are used in more expensive professional DSLR cameras.

MEMORY CARDS

Code	Brand	Product	Ex VAT	Inc VAT
41237	Hama	16GB SDHC Memory Card, UHS-1, class 10 (300x)	5.83	6.99
41240	Hama	32GB SDHC Memory Card, UHS-1, class 10 (300x)	6.66	7.99
41241	Hama	64GB SDXC Memory Card, UHS-1, class 10 (300x)	9.99	11.99
41242	Hama	128GB SDXC Memory Card, UHS-1, class 10 (300x)	17.08	20.49
41243	Hama	256GB SDXC Memory Card, UHS-1, class 10 (300x)	16.66	19.99
41246	SanDisk	32GB Extreme Pro SDHC 100MB/s UHS-I	12.49	14.99
41250	SanDisk	64GB SDHC Memory Card, Ultra, UHS-1	12.49	14.99
54097	SanDisk	32GB CF Extreme CompactFlash Card (800x)	39.99	47.99

Card Readers

Fujifilm USB Multi-Card Reader

Transfer your files between your memory card and computer with the Fujifilm USB Multi Card Reader. It's easy to use and install and so inexpensive that every student can have one.

Hama USB 3.0 Multi-Card Reader

Fast 8in1 card reader for quick reading and writing of all standard memory cards. It supports UDMA mode for CF and UHS-1 for all common types of SD cards, including Micro for phones.

CARD READERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
55029	Fujifilm	USB Multi Card Reader SDHC / SDXC / MicroSD / CF	Transfer SD cards to your computer the easy way	8.33	9.99
55030	Hama	USB 3.0 Multi Card Reader SDHC / SDXC / MicroSD / CF	Transfer SD cards to your computer the easy way	8.33	9.99

PORTABLE STORAGE

There comes a time when you want to transfer images from your computer. You may need to transport a volume of photos or text from one device to another, i.e., from home to college or directly to "backup" your images securely. The easiest and cheapest method to do this is via a USB Flash Drive or "stick", which appears as a new drive on your computer when inserted into the USB port.

Our cheapest USB Flash Drives

from only
£3.49
exc VAT

Sourced for educational departments on a tight budget, these "Fancy" flash pens are USB 2.0 with transfer speeds of 10 MB/second – so not the fastest drives, but where speed is not paramount consideration, certainly the cheapest. They can easily be attached to keyrings for handy recall.

- A removable storage medium that allows you to write and erase the data as many times as required
- With a rotating cap
- Suitable for terminal devices with a USB interface
- With an eye for attaching the pen, e.g. to a keyring

PORTABLE STORAGE

Code	Brand	Product	Ex VAT	Inc VAT
54172	Hama	32GB USB PenDrive Fancy, 10MB/s	3.91	4.69
54173	Hama	64GB USB PenDrive Fancy, 10MB/s	6.08	7.29
54174	Hama	128GB USB PenDrive Fancy, 10MB/s	9.99	11.99
54200	Hama	16GB USB Rotate Flashpen, 10 MB/s, USB 2.0	2.91	3.49
54201	Hama	32GB USB Rotate Flashpen, 10 MB/s, USB 2.0	3.33	3.99
54202	Hama	64GB USB Rotate Flashpen, 10 MB/s, USB 2.0	4.16	4.99
54376	SanDisk	SSD Extreme Portable 1TB, USB 3.2 Gen 2 (1050MB/s)	155.83	186.99
54377	SanDisk	SSD Extreme Portable 2TB, USB 3.2 Gen 2 (1050MB/s)	249.99	299.99
54315	DigiMagic	DM220 U8 8X DVD Burner	499.17	599

CAMERA ACCESSORIES

Kood Black Straps

Kood's two replacement SLR black camera neck straps have a total length of approximately 100cm (1.5 inches) wide and are made from webbing or deluxe black neoprene (Contour version).

Nikon ML-L3 Remote

This infrared remote control triggers the shutter remotely when using slower speeds to prevent camera movement. It offers an immediate release mode and 2 2-second delay modes, appropriate for taking a self-portrait with a working range of approximately 16 feet.

Compatible with cameras such as D3300, D3500, D5600, P series Coolpix.

Canon EOS Remote Switch RS-60 E3

This switch prevents camera shake for telephoto shots, macrophotography, and bulb exposures. The length of the cable is two feet (60cm), and it replicates all the functions of the camera AEs shutter-release button.

For use with many EOS SLRs, including 1300D, 250D and 800D,

Hama Terra 130 Camera Bag

Our recommended kit bag for those photographers buying a budget film or digital SLR is the Terra camera bag from Hama. In keeping with our other sustainable suggestions in our range, we're proud to say that this is the first eco bag we've offered, as both the inner and outer materials are made from 100% recycled polyester. Terra has resource-sparing production from recycled PET materials that are then processed into yarn.

So now you can get a high-quality bag to protect your equipment, and the good thing is there is no premium price for doing so. We recommend this product as a significant step forward in camera bag design.

Hama Universal Remote for Canon and Nikon

The Infrared Universal Hama remote control release is an ideal multi-use IR remote for educational departments. Stand up to 28m from your camera, and you can still take a photo at the touch of a button. It is perfect for photographers who want to capture an image while observing from a distance.

e.g. with animals and wildlife. It works with Canon, Nikon, Olympus and Pentax DSLR and compact cameras with built-in IR receivers and has similar functions to the original remote-control release: Canon RC1/ RC-5/RC-6, Nikon ML-L3, Olympus RM-2 or the Pentax E/F.

Kood Cable Releases

These low-cost metal cable releases are sleeved in a black vinyl cord and come with a locking screw in a choice of 10 or 18-inch lengths.

We also sell an Air release, which offers a long, 20-foot vibration-free release option.

CAMERA ACCESSORIES AND BAGS

Code	Brand	Product	Description	Ex VAT	Inc VAT
67023	Canon	EOS Remote Switch RS-60 E3	Electronic release for many EOS SLRs including 1000D & 1100D	12.50	15.00
67024	Canon	RC-6 Remote Control	Electronic release for many EOS SLRs including 100D, 600D, 700D, 60D, 70D, 6D, and 5D Mark III.	13.33	16.00
52039	Nikon	Remote Cord MC-DC2	for Nikon D3200, D3300, D5000, D7000	24.99	29.99
52037	Nikon	ML-L3 Remote Controller	Nikon original infrared shutter release up to 5 metres	29.16	34.99
26460	Firstcall	Air Release, 20 feet	For vibration-free shutter release	14.99	17.99
55163	Hahnel	Captur Module, Timer	Basic timer module for use with Hahnel Captur	30.66	36.79
55160	Hahnel	Remote Shutter Release HRN 280P, Nikon	2 metre wired release for all Nikon SLR and P Series Coolpix models	20.83	24.99
55165	Hama	IR Mini 2 Universal Remote-control Release, Infra-Red	Ideal department release as it covers all four major brands of SLR/Compacts	4.17	5.00
26464	Hama	Spirit Level 2, 5411	2 bubbles, 2 levels, fits camera hot shoe	11.66	13.99
26446	Kaiser	Spirit Level 3-way, 6393	3 bubbles, 3 levels, fits camera hot shoe	17.49	20.99
9083	Kaiser	Cable Release Adaptor, 6154	For SLRs with no cable release socket	13.33	16.00
25051	Kood	Black Camera Strap	Black, non slip, 1.5 in. wide 72cm in length	4.41	5.29
25053	Kood	Comfort Camera Strap - Black		10.83	12.99
26455	Kood	Cable Release black vinyl, 10in	10 inches / 25.4 cm	6.08	7.29
26459	Kood	Cable Release black vinyl, 16in	16 inches / 40 cm	7.91	9.49
26454	Firstcall	Focusing Cloth for Large Format Camera black/red	Measures 1.2 metres square and is black on one side and red on the other.	40.00	48.00
28273	Hama	Terra 110 Camera Bag, Grey	Inside Dimensions W x D x H: 15.5 x 10 x 13cm	16.66	19.99
28274	Hama	Terra 110 Colt Camera Bag, Grey	Inside Dimensions W x D x H: 16 x 10 x 16 cm	16.66	19.99
28272	Hama	Terra 130 Camera Bag, Grey	Inside Dimensions W x D x H: 20 x 11 x 17 cm	20.83	24.99

Film Cameras

Digital Cameras

Lenses

Tripods

Camera Power

Camera Memory / Portable Storage

Camera Accessories

INDEX

Film Cameras

Digital Cameras

Lenses

Tripods

Camera Power

Camera Memory / Portable Storage

Camera Accessories

INDEX

CAMERA CLEANING

Calotherm Cloth and Spray

The ultimate in microfibre cleaning technology, Calotherm is still the best-value cleaning package on the market.

This high-quality British manufacturer of optical cleaning materials, established in 1934, is renowned for making the best cleaner for spectacle wearers. We have also found their products work equally well in the photographic world and have selected their Calocloth and Caloclean optical spray as the perfect match for photographers. The Caloclean formula provides an antistatic guard without using any alcohol or solvents. The design of the spray is specifically for delicate camera lenses, which you must take special care of when cleaning. This formula ensures that your equipment is in the best possible hands. The union creates a proper cleaning technique using a Calocloth Microfibre lens cloth. Calotherm's cleaning sprays are not aerosols. Instead, they work with a pump-action offering a safe alternative.

When you buy the two together as a kit, you save £0.51 on the separate regular prices.

Firstcall Cleaning and Maintenance Kits

Our own complete Lens Cleaning Set offers excellent value for money and contains a blower brush, lens cleaning fluid, lens cleaning tissues and cotton buds. You will not find a better value to keep your optical equipment clean, and our Maintenance Kit makes for an even more complete set by including all of the above plus a cleaning cloth, tweezers and a screwdriver in its reusable carry case.

Tetenal Cloths and Lens Solutions

Tetenal's soft cleaning cloth is low priced, is 11.5 x 12 inches in area and has no impregnation. Plus, it is ultra-gentle on cleaning surfaces. This makes it ideal for the gentle cleaning of camera lenses in combination with Kenro Film Cleaner spray or our own 30ml. lens solution bottle.

Kenro Lens Cleaner Spray

This high-quality aerosol cleans, polishes and demists camera lenses and optical equipment. We suggest using a microfibre cloth for best results.

It is suitable for use on glass, mirrors, Perspex, ceramic and porcelain, camera and optical instrument lenses, and most plastics (we recommend testing the product first).

Please note: You should not spray it directly onto VDUs or photocopiers, as static may ignite the spray. It is also not suitable for polycarbonate lenses.

Hydra Developer Cleaners

Sprint from Hydra is a liquid darkroom cleaner for tanks, reels and dishes. Use neat or dilute 1+9 to soak your stained plastic equipment overnight. Hydra also makes a scale cleaner, Blitz, for those difficult-to-shift stains.

CAMERA CLEANING

Code	Brand	Product	Description	Ex VAT	Inc VAT
19140	Calotherm	Lens Cleaning Spray, Caloclean, 25ml	Recommended for all photographic uses and spectacles, too	2.99	3.59
19141	Calotherm	Lens Cleaning Kit, Cloth and Spray	Perfect cleaning solution for camera lenses or spectacles	4.91	5.89
19144	Calotherm	Calowipe, 34 individual lens wipes	Recommended for all photographic uses and spectacles, too	2.74	3.29
25072	Kenro	Lens Cleaner Spray, 150ml	Crystal-clear images from your optical equipment by keeping it free from dust and smears with this professional-grade lens cleaner.	8.33	9.99
25115	Firstcall	Camera/Enlarger Maintenance Kit	Includes screwdriver	8.33	9.99
26218	Firstcall	Lens Cleaning Set	Blower brush, tissue, solution and buds	4.99	5.99
19130	Tetenal	Anti-static Spray, 400ml	Removes static build-up	14.58	17.49
19133	Tetenal	Anti-static Cleaning Cloth, Microfibre, Optical	For all lenses, washable, 8x10in	5.83	6.99
19142	Tetenal	Anti-static Cleaning Cloth, Premium	11.5 x 12in	5.83	6.99

DARKROOM CLEANERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
88001	Hydra	Developer and Tar Cleaner, Sprint Liquid, 1 litre	New foaming action spray head	11.66	13.99
88002	Hydra	Developer and Tar Cleaner, Sprint Liquid, 5 litres	Liquid, non-foaming	41.66	49.99
88004	Hydra	Developer and Scale Cleaner, Blitz V2, 1 litre	New foaming action, acid-based	22.16	26.59

Reveni Labs

The World's Smallest Light Meter

Being able to measure the light in a scene is a crucial aspect of photography. If you're a lover of film cameras, you've probably noticed they often lack light meters, or have selenium light meters which have stopped working in the decades since they were built.

Light metering is essential in film photography- since you have to make every frame count, but handheld light meters are clunky and difficult to use while juggling your camera and other equipment.

The light meter Reveni Labs created uses modern technology to add metering to any camera. The housing is made from high-quality 3D printed nylon using Multi Jet Fusion technology, and a single standard LR44 alkaline battery provides power for thousands of readings. Firstcall is an exclusive seller of all Reveni Labs meters in the UK.

You access the readings on a bright and crisp OLED display. At less than an inch in all dimensions and weighing only 8 grams, it makes the perfect companion to any camera kit. The bottom of the meter features a flash shoe mount, making it easy to mount on hundreds of cameras.

The Reveni Labs Light Meter is the world's smallest meter, yet packed with features and designed with the photographer in mind regarding functionality.

Features:

- Incredibly tiny: only 0.92(22.5) x 0.86(21.8) x 0.71" (17.8 mm)!
- Weighs only 0.3oz (9g)
- It is made from high-quality 3D printed nylon using state-of-the-art MJF printing technology.
- Centre-weighted reflective metering, 45-degree sensor field of view
- Bright and crisp OLED display
- Simple controls and menu
- Aperture or Shutter priority mode
- Exposure compensation in 1/3 stops (-2 to +2 stop range)
- Single LR44 battery supply
- Integrated camera flash shoe mount (hot or cold shoe compatible)
- EV Range: EV 0.5 to EV 20 @ ISO 100
- Exposure Value display option
- ISO range: 1, 3, 6, 12, 25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 800, 1600, 3200, 6400, 12800
- Aperture range: f0.7 - f1024 in 1 stop increments
- Shutter speed range: 1 hour to 1/8000s in 1 stop increments
- Factory calibrated but calibration can be adjusted by the user

Reveni Labs Hard Case

Reveni is also a system light meter, and we're stocking all the accessories that go with it. The number one accessory is the pocket-ready, hard case. It also has a lanyard loop on the rear to be tethered in a bag or onto a strap if desired.

Finger Ring Mount

Reveni Labs has it covered when you want to keep your little meter attached, whether it be this fun little accessory so you can wear your Reveni Labs Light Meter on your finger like a ring, wrist or neck straps.

Reveni Incident Meter

The new Reveni Labs Incident Meter makes advanced metering more affordable. It features an ergonomic hand strap that eliminates the need for a neck strap, allowing for zero handholding and one-hand operation.

The all-in-one meter includes Incident, Ambient, Colour and Flash measurements via a top-mounted diffuser dome. The full-colour LCD provides clear and easy-to-understand information.

Reveni Labs Double Shoe Mount

If you use a viewfinder, your camera's shoe may already be used! You can add your Reveni Labs Light Meter with the double shoe mount next to your viewfinder.

Features:

- One shoe is kept in line with the original camera shoe.
- The second shoe is offset by 32mm (1.25")
- Increases the viewfinder height by approximately 9mm (0.375")
- Reversible to put the second shoe on the left or right side (entry is one-way, from the rear when placed on the left)

Neck Strap

Reveni Labs Spot Meter MK2

The innovative and highly sought-after Reveni Labs Spot Meter is exclusively available in the UK from Firstcall. Following on from the miniature design of the original meter, the spot meter includes all the latest technology, giving reliable and consistent readings. MK2 now comes powered by AAA batteries.

Key Features

- Spot metering (~1.5 degree) 6" (15cm) circle at 20ft (6m)
- Bright internal OLED display
- Innovative two-eye aiming method
- Simple controls and menu
- Single, 2-spot Average, Zone and Precision Method metering modes
- Aperture or Shutter priority modes
- Exposure compensation in 1/3 stops (-3 to +3 stop range)
- 2x AAA battery
- Dimensions: 2.8" L x 1.2" W x 1.5" H (71 L x 30.5 W x 38 H mm)
- Weight: ~35 grams (1.25 oz)

REVENI LABS

Code	Brand	Product	Ex VAT	Inc VAT
17023	Reveni Labs	Light Meter	112.50	135.00
17024	Reveni Labs	Light Meter Hard Case	7.92	9.50
17025	Reveni Labs	Light Meter Double Shoe Mount	7.92	9.50
17026	Reveni Labs	Light Meter Wrist Strap Shoe Mount	6.67	8.00
17027	Reveni Labs	Light Meter Sticky Shoe and Lanyard Mount	5.00	6.00
17028	Reveni Labs	Light Meter Right Angle Shoe Adapter	6.67	8.00
17029	Reveni Labs	Light Meter Riser for Thick Camera Shoes	3.33	4.00
17030	Reveni Labs	Light Meter Early (Barnack) Leica Offset Mount	6.67	8.00
17031	Reveni Labs	Light Meter Finger Ring Mount	6.67	8.00
17032	Reveni Labs	Light Meter Leash with clip	2.50	3.00
17033	Reveni Labs	Light Meter Neck Strap	2.50	3.00
17034	Reveni Labs	Spot Meter MK2	199.17	239.00
17035	Reveni Labs	Incident Meter	207.50	249.00

CONTINUOUS LIGHTING

Continuous lighting means light, which is on all the time. It's great to see where shadows fall, and you simplify the learning process in studio photography by using this system. The products below represent the entry level lights we sell. We have an extended range of lights and light modifiers online, as well as access to the full portfolio offered by one of our LUMESCA Group companies www.theflashcentre.com.

The Flash Centre (TFC) have been the UK's leading studio lighting specialists for over thirty years. Through Firstcall, we can also offer rental facilities, 'try before you buy' deals, and we hold a wide range of demonstration equipment for you to try out. TFC supplies a wide range of other carefully chosen branded products from a variety of suppliers, including Elinchrom, Canon, Fujifilm, Manfrotto, Godox, Pixapro, Nanlite, Phottix, Nikon, Tether Tools, Sekonic, Broncolor, Colorama, Calibrite, Color Confidence, Rogue, Benro and many more. If you need any further advice please call us at Firstcall.

Paterson LIT109 Head

When there is a need for cool daylight-balanced (5400K) lighting, this fluorescent head from Paterson offers an inexpensive lighting solution.

The light is supplied with a 19cm reflector, but it does not include a lamp. You can select a 30W, 70W (standard) or a powerful 135W lamp separately, depending on the intensity of light required. All lamps are standard screw fitting. The same head is available with a softbox (LIT110) if you want a single light but with more even lighting.

Paterson LIT111 Kit

This kit is a step up from the LIT111 version in that although you still get two of the LIT109 heads with lighting stands, the modifiers included are two softboxes to make a soft balanced fluorescent lighting option.

You also get two powerful 135w bulbs included at a price that saves money if the parts were bought individually and a handy carry bag to put all the equipment in.

Kit includes:
- 2 x LIT110 Fluorescent Lighting Heads
- 2 x 135W Lamps
- 2 x LIT299 Stands
- 2 x LIT318 60 x 80cm softboxes
- 1 x LIT320 Carry Bag

Paterson LIT112D Kit

This kit puts two of the LIT109 heads together including 30cm flood reflectors with lighting stands to make a balanced fluorescent lighting option.

You also get two powerful 135w bulbs included all at a price that saves money if the parts were bought individually.

Kit includes:
- 2 x LIT110 Fluorescent Lighting Heads
- 2 x 5400kFluorescent Lighting Bulbs (135W)
- 2 x LIT299 Stands
- 2 x 30cm flood reflectors
- Mains leads

Paterson LIT113 Kit

This kit is a hybrid version in that although you still get two of the LIT109 heads with lighting stands, the modifiers include one softbox to make a soft, balanced fluorescent lighting option and one with a 30cm reflector for focused light.

You also get two powerful 135w bulbs included at a price that saves money if the parts were bought individually and a handy carry bag to put all the equipment in.

Kit includes:
- 2 x LIT110 Fluorescent Lighting Heads
- 2 x 6400kFluorescent Lighting Bulbs (135W)
- 2 x LIT299 Stands
- 1 x LIT318 60 x 80cm softbox
- 1 x LIT305 30cm Flood Reflector
- 1 x LIT320 Carry Bag

PATERSON CONTINUOUS LIGHTING

Code	Product	Description	Ex VAT	Inc VAT
65104	LIT110 Fluorescent Head with Softbox	Fluourescent head and softbox, does not include lamp	78.74	94.49
65105	LIT111 Fluorescent Softbox/Softbox Kit	2x heads, stands, softboxes, 1350W lighting outfit	297.49	356.99
65107	LIT109 Fluorescent Head with Reflector	Fluourescent head and reflector, does not include lamp	74.37	89.24
65108	LIT112D Fluorescent Head Reflector Kit	2x heads, stands, 30cm flood reflector, 1350W lighting outfit	253.74	304.49
65111	LIT113 Fluorescent Softbox/Reflector Kit	2x heads, stands, softbox & reflector 1350W lighting outfit	297.49	356.99
65113	LIT201 Fluorescent Super Series Head with Softbox	Super Series 2025W head and softbox, includes 3 lamps	209.99	251.99

NEW

Every month a new lighting brand seems to appear, usually at the entry level/price. With any light source the most important consideration is the consistency and accuracy of the lights. Bi-Colour lights typically operate between 2800K and 6500K, the K stands for Kelvin. The higher the Kelvin the whiter the light (and eventually bluer as you go above 8000k). The lower the value, the warmer the light (more orange and at 1800K you are at Candlelight). RGB means you have the ability to change the colour of the light into Red, Green and Blue colour spectrums.

Pixapro, Godox and Phottix are affordable brands, trusted by a growing number of working professional Photographers/Videographers across the world. Below are several entry level lights. Please visit our website for an extended range or call and we can arrange for one of our lighting experts to talk to you about your specific needs

Pixapro – 2 x 85w Ezylite Kit

The 2x85w EzyLite Studio Softbox Bulbs Lighting Kit is a small lightweight and portable constant light which comprises of two continuous single lamp heads with integrated 50cmx70cm easy open softbox and two 85W CFL bulb, with stands.

The energy efficient units can be used with your compact camera as well as the automatic exposure of your SLR and video camera.

The 2x85w EzyLite Continuous Softbox Lighting Kit is the perfect budget friendly option for shooting small to medium-sized products, as well as for portrait photography and for shooting video such as commercial, vlogs or YouTube videos.

Pixapro – 3 x 105w Ezylite Kit

The EzyLite 3-Studio Lighting Bulbs Softbox Kit + Boom Arm (3x105W) is a small lightweight and portable constant light which comprises of three continuous single lamp heads with integrated 50cmx70cm easy open softbox and three 105W CFL bulb, with stands.

The energy efficient units can be used with your compact camera as well as the automatic exposure of your SLR and video camera.

The EzyLite 3-Studio Lighting Bulbs Softbox Kit is the perfect budget friendly option for shooting small to large-sized products, as well as for portrait photography and for shooting video such as commercial, vlogs or YouTube videos.

Godox SL60IIBi 75W Bi-Colour LED

The Godox SL60IIBi is a small and budget-friendly 75W Bi-Colour COB LED light powered by mains electricity, using the latest high-intensity integrated LED technology. It allows you to adjust the colour temperature from 2800K to 6500K, providing flexibility for different lighting needs.

With a CRI (Colour-Rendering Index) rating of ≥96 and a TLCI (Television Lighting Consistency Index) rating of ≥97, it ensures accurate colour reproduction, making it suitable for broadcasting.

The Godox SL60IIBi is ideal for filmmaking, video interviews, YouTube, live streaming, as well as still photography like portraits, food, and product shots.

Phottix Kali 50R RGB LED Twin Kit!

Perfect user-friendly lighting system with endless creative possibilities, the Phottix Kali 50R RGB LED Twin Kit is here to revolutionise your lighting setup. Say goodbye to uneven lighting and colour issues – this kit delivers flicker-free, CRI 96+ (TLCI 98+) colour accuracy with 1000Lux (40W at 1m) output. Whether you're live streaming, capturing photos, or shooting videos, this kit solves your lighting challenges with ease.

Seamless Remote Control Utilise the included 2.4G wireless remote control with 6 groups and 40 channels for effortless adjustments.

Vivid Colour Control. Enjoy full RGB colour and saturation adjustment (HSI) from 0-360° and access 43 preset scenario effects.

Adaptive Colour Temperature

Achieve the perfect colour temperature with a wide range from 2500K to 8500K.

PIXAPRO, GODOX , PHOTTIX CONTINUOUS LIGHTING

Code	Brand	Product	Description	Ex VAT	Inc VAT
65381	Pixapro	2x85w Ezylite Kit	2x Single lamp holder with integrated 50x70cm Softbox	66.66	79.99
65382	Pixapro	3x105w Ezylite Kit	3x Single lamp holder with integrated 50x70cm Softbox	129.16	155.00
65351	Godox	Godox SL60 II Bi-Colour	Budget-friendly 75W Bi-Colour COB LED	140.83	169.00
65380	Phottix	Kali 50R RGB Twin Kit	2x Phottix Kali50R RGB LED Panels, 1x Remote Control, 2x Light Stands 1x Carry Bag	299.16	359.00

Continuous Lighting

Flash Lighting

Flashguns and Accessories

Copy Stands

Background Support Systems

Background Paper

Background Cloth

Studio Accessories and Lamps

Digital Colour

INDEX

FLASH LIGHTING

Most professional photographers prefer Flash Lighting. We have selected the entry level 'professional' lighting below from Pixapro, Godox and Elinchrom who are all longstanding trusted brands offering fantastic affordability and light consistency. Flash lighting is measured in Watts per Second (Ws). For indoor use 200Ws is usually enough power for most situations. Adding additional lights provides the ability to build control, power and lighting effects. Lighting modifiers enable further control, from how light spreads, how sharp or soft the light becomes.

We have Flash Lighting Modifiers to suit all budgets, below we have featured one of the best range because they are very well made, durable and multifunctional – performing the task of having multiple separate modifiers. So, if you combine the cost of all of the separate features they are extremely good value for money.

For anyone new to Flash Photography the most basic modifier would be a 'softbox' which comes in different shapes, Round/Octa (octagonal) – great for portrait, Square – great for product photography, Strip/Recta (rectangle) – great for full length, but typically used on a second light. Modifiers are not universal, different lights have different mount systems (speed rings) that enable you to secure the modifier to the front of the light.

Lumi200 200Ws Studio Flash Monolight

A robust and dependable studio monolight strobe suitable for both the professional and amateur photographer alike and is ideal for entry-level home studio use.

The LUMI II200 Strobe Lighting Video is also a great starter when moving from speedlite to studio flash as it offers around 3 times more power output than a flashgun.

This small and compact light has every feature you need from a studio flash such as power, built-in receiver, slave mode, fast recycling time and flash duration up to 1/2000th of a second for sharper images and stopping motion.

Lumi400: 400Ws Studio Flash Monolight

A robust and dependable studio monolight strobe suitable for both the professional and amateur photographer alike and is ideal for entry-level home studio use.

This small and compact light has every feature you need from a studio flash such as power, built-in receiver, slave mode, fast recycling time and flash durations.

This LUMI II 400 portable flash head light is suitable for Home Studio, School, Portrait, Pet Photography and much more.

Godox AD200 Pro TTL

A powerful battery, wireless control and a system providing many accessories.

Key Features:

Useful – AD200Pro is approx. 4 times more powerful than typical speedlite lamps, while maintaining similar size and weight. The Pro version also offers developed possibilities to facilitate the work of demanding photographers.

TTL – AD200Pro is compatible with Canon, Nikon, Sony, Olympus, Fuji X automatic flash metering system (using Godox X trigger).

Battery – Professional lithium battery with a capacity of 2900mAh and a voltage of 14.4V allows you to fire up to 500 flashes with full power, and the charging time to full flash power is 1.8 seconds.

Elinchrom One

Engineered for efficiency, 131Ws power but generates a light output usually seen in 200Ws lights.

Key Features:
- Supreme portability – Weighing only 1.5kg & more compact than a 70-200mm lens
- Integrated Li-Ion battery – Up to 725 full-power flashes on one charge & protection from the elements
- USB-C charge port – Charge from any USB-C source without proprietary spare batteries or chargers
- Active charging – Connect to a power source and continue shooting while charging
- Touch screen interface – Intuitive & streamlined for an efficient user experience
- Fast recycle times – Recycles in 0.9s at full power and maintains +/- 150K colour temperature
- Sync up to 1/8000s with HSS – Freeze motion, overpower ambient light & darken backgrounds
- TTL with manual lock – Enables a quick switch from TTL to Manual without losing exposure settings
- Built-in Skyport Bridge Technology – Control from your computer with the Elinchrom Studio software
- Smart pro-active cooling – The ONE learns your shooting style and adapts its cooling cycle accordingly

Phottix G-Capsule

The innovative G-Capsule light modifier series combines a traditional softbox with a shoot-through umbrella lantern and patented magnetic gel system for maximum versatility.

Stand and light sold separately.

Use the G-Capsule as a traditional softbox with double diffusion or as a beauty dish thanks to the soft interior. Control your light with the honeycomb grid or attach the included light lantern for omnidirectional lighting. The G-Capsule features an S-Type Bowens/Godox mount. Elinchrom and Profoto mounts available separately.

FLASH LIGHTING & MODIFIERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
65371	Pixapro	Lumi 200	Mains Powered, 200Ws Single Head	104.16	124.99
65372	Pixapro	Lumi 400	Mains Powered, 400Ws Single Head	129.15	154.99
65356	Godox	AD200 Pro	Battery Powered, upto 500 shots on one charge	329.15	394.99
65301	Elinchrom	Elinchrom One	Battery Powered, up to 750 shots on one charge	499.16	599.00
65281	Phottix	G-Capsule 65cm Round	Multi Function	149.16	179.00
65282	Phottix	G-Capsule 85cm Round	Multi Function	165.83	199.00
65283	Phottix	G-Capsule 105cm Round	Multi Function	174.16	209.00

Continuous Lighting / Flash Lighting / Flashguns and Accessories / Copy Stands / Background Support Systems / Background Paper / Background Cloth / Studio Accessories and Lamps / Digital Colour / INDEX

FLASHGUNS & ACCESSORIES

Flashguns

Nikon SB-700 Flashgun

Versatile, easy-to-use Speedlight, compatible with Nikon FX and DX format SLR. Incredibly intuitive to operate, it boasts a range of advanced functions that make it simple to manage the quality and direction of light. Three illumination patterns provide total control over flash coverage and the easily accessible A:B mode enables wireless control of multiple flash units.

- Versatile I-TTL (intelligent TTL) Speedlight compatible with FX and DX format SLRs, and the Nikon Creative Lighting System.
- Multi-step power-zoom: covers a wide 24-120mm angle of view.
- Intuitive operation: the large, easy-to-read LCD screen and conveniently placed controls make it easy to adjust settings.
- Guide number: 38 (STD, FX-format, ISO 100, m, at 120mm).
- Centre-weighted, Even and Standard illumination patterns can be selected to match the shooting situation at hand.
- High-speed recycling time: approx. 2.5 seconds when using NiMH or alkaline batteries and approx. 3.5 seconds with lithium batteries.
- A:B mode for quick wireless control: allows control of the light ratios of A and B group.

Godox TT685 II Flashgun

The Godox TT685II TTL Flashgun with built-in 2.4GHz Godox X-System Receiver and a variety of creative modes such as High-Speed Sync (HSS) and Stroboscopic Multi-Burst. It caters to photographers capturing, portraits, events, fashion, sports, fitness. Its portability makes it particularly suitable for on-location shoots.

The Godox TT685C II Flash is available for Canon, Nikon or Sony cameras.

- Powered by 4x AA batteries
- TTL auto exposure
- Built-in 2.4GHz Godox X system receiver and transmitter
- High-Speed Sync and Rear Curtain Sync modes
- Stroboscopic Multi-flash mode
- Auto-zoom feature
- Approximately 330 full-powered flashes per set of batteries
- 0.1-2.6s recycle times
- USB Type-C port for firmware updates

Flashgun Accessories

Flashgun Connections

This handy group includes hot-shoe adaptors, leads and brackets to connect your flashgun to the camera securely and conveniently. Our most popular connections are the Kaiser 1300 for connecting studio flash units to cameras with a hot shoe contact via a flash shoe or connecting studio flash units via a sync cable. Their other adaptor, 1301, allows the firing of the flash via your camera's PC socket.

Kenro KFL101 Flashgun

The KFL101 features on-camera TTL, dual Nikon / Canon compatibility, high-speed synchronisation, S1 and S2 slave functions, fast recycle time, auto-zoom, a built-in diffusor, and plenty more.

- Wireless master function: Canon wireless flash, Nikon command flash
- Wireless slave function: Compatible with both Canon and Nikon Wireless Flash systems, wireless E-ETTL, and i-TTL off-camera flash, manual and multi-flash system
- Power supply: 4 AA batteries - Built-in power indicator (batteries not included) Dual compatibility: Universal hotshoe contact means the same flash head can be used with both Canon and Nikon cameras
- High-speed synchronisation (up to 1/8000) TTL flash / Manual flash / Multi flash.
- Slave functions: S1 and S2
- Included in the box: Flashgun with a case, diffusor, table stand and instruction manual.

Pocket Wizard Flash Triggers

To fire your flash wirelessly is an alternative to leads. The Pocket Wizard PlusX is the most straightforward radio trigger set ever. The PlusX is what's called a transceiver incorporating both transmitter and receiver.

It is compatible with all standard channel PocketWizard transmitters and receivers, so it's the perfect companion for any existing kit but equally well-priced to be your first choice for a new radio-trigger set.

Godox XPro II Triggers

The GODOX XPro II 2.4GHz Trigger with App Control. The XPro II supports TTL auto-exposure and High-Speed Sync (HSS), allowing flash usage at shutter speeds up to 1/8000s. With Bluetooth support, it can be seamlessly integrated with the Godox smartphone app, offering convenient flash control via your smartphone. This is especially useful when your camera's trigger is not easily accessible. Featuring a large screen, dedicated group buttons, and a user-friendly interface. This trigger is available for Canon, Nikon, Sony, and Fujifilm.

- Works with X Wireless Radio System
- Frequency: 2.4 GHz
- Range: 328'
- 32 Channels; 16 Groups; Wireless ID
- Remote Power Control for Select Flashes
- Backlit LCD Panel
- High-Speed, 1st & 2nd Curtain Sync
- 2.5mm Sync Port; USB Type-C Port
- Bluetooth Connectivity

FLASHGUNS

Code	Brand	Product	Description	Ex VAT	Inc VAT
25401	Canon	430EX III RT Speedlite	GN43, dedicated to all EOS and Canon digitals	249.17	299.00
25408	Canon	EL-100 Speedlite	Wireless slave capability, manual zoom head, E-TTL II, E-TTL, TTL	149.17	179.00
25402	Kenro	KFL101 Flashgun	GN58, dedicated with most Canon/Nikon compatibility	74.16	89.00
26393	Nikon	SB-700 Speedlight	Versatile I-TTL (intelligent TTL) Speedlight compatible with FX and DX format SLRs, and the Nikon Creative Lighting System	249.16	299.00
25421	Godox	TT685N II Flash for Nikon Cameras	TT685II Speedlite boasts a zoom range span-ning from 20mm to 200mm.	114.16	136.99
25422	Godox	TT685C II Flash for Canon Cameras	TT685II Speedlite boasts a zoom range span-ning from 20mm to 200mm.	114.16	136.99
25423	Godox	TT685F II Flash for Sony Cameras	TT685II Speedlite boasts a zoom range span-ning from 20mm to 200mm.	114.16	136.99

FLASHGUN ACCESSORIES

Code	Brand	Product	Description	Ex VAT	Inc VAT
9072	Kaiser	Flash Adaptor inc. Cable with PC Jack Plug 3.5mm, 1303	For connecting flash to receivers of RC remote releases e.g. Pocket Wizard or Skyport	19.16	22.99
25601	Lastolite	Off Camera Straight TTL Flash Cord Nikon, 3m 2425	Maintains full through the lens flash exposure control	30.33	36.39
26362	Kood	Hot Shoe Slave Unit	Remote trigger for hot shoe guns	15.83	19.00
26294	Kaiser	Hot Shoe Flash Adaptor, 1300	For connecting flash to cameras without PC socket	9.41	11.29
26298	Kaiser	Hot Shoe Flash Adaptor with cable, 1301	For connecting flash to cameras without hot shoe	16.66	19.99
26321	Hama	Straight Flash Lead, 6973, 3 metre	PC plug to PC socket	6.08	7.29
26328	Firstcall	Straight Flash Lead, 6975, 10 metres	PC plug to PC socket	6.66	7.99
26359	Hama	Folding Bracket Angle Bracket, 6831	For holding off-camera flash	9.17	11.00
55153	Pocket Wizard	Plus X Twin Set	With a simple dial to select channels, the simplest to trigger a remote flash.	149.17	179.00
25461	Godox	XPro II – Nikon	Supports TTL auto-exposure and High-Speed Sync (HSS)	74.99	89.99
25463	Godox	XPro II – Sony	Supports TTL auto-exposure and High-Speed Sync (HSS)	74.99	89.99
25464	Godox	XPro II – FujiFilm	Supports TTL auto-exposure and High-Speed Sync (HSS)	74.99	89.99
25462	Godox	XPro II – Canon	Supports TTL auto-exposure and High-Speed Sync (HSS)	74.99	89.99

Continuous Lighting

Flash Lighting

Flashguns and Accessories

Copy Stands

Background Support Systems

Background Paper

Background Cloth

Studio Accessories and Lamps

Digital Colour

INDEX

COPY STANDS

Negative Supply Copy stands

Known for its state-of-the-art scanning system, Negative Supply offer four copy-stand options. Unusually, they are referred to as "risers", but all work similarly to other manufacturers.

Their Basic Riser Mini MK2 uses solid materials at an affordable price for entry-level users. It boasts bolted-on rubber feet for better dampening, features stainless steel hardware, integrated 1/4-20 camera mounting point, and adds a larger carbon composite foot for more rigidity and more.

Dimensions:
9in x 9in x 17in (max riser height 16in)

Their Basic Riser MK3 offers added height, rigidity, and a solid baseboard to work with a broader range of camera/lens combinations and provide a more stable, rigid workflow: pro features at an introductory price.

It is a capable copy stand for nearly any user, designed to support almost all popular camera and macro lens combinations. With a maximum riser height of 23 inches, the Basic Riser MK3 can scan 4x5 with up to ~70mm full-frame equivalent focal lengths, 120 film with over 100mm full-frame equivalent focal lengths and 35mm film with nearly any macro lens.

It's designed to support systems from large DSLRs (ungripped) such as the Canon 5D series or Nikon D850, large mirrorless cameras such as the Leica SL and Panasonic S1 series. It works excellently with even smaller systems, such as the Fuji and Sony mirrorless systems. It will even support most digital medium format systems!

Firstcall Copy stand 720WL

We offer a complete range of copy stands with or without lights.

The best-selling 720 Copy stand is solid; the electrics are all UK-approved. The all-metal column and camera arm will support 35mm, medium format, video or digital cameras. The 18% grey baseboard will take up to 12 x 16 inches of artwork. You can adjust the metal lamps to any angle thanks to intelligent lighting arms that clamp onto the baseboard.

It replaces our old model (920) but has a smaller column which moves up and down on a ratchet track.

Included are the stand, lights and two x 100w bulbs.

- Column height is 72cm
- Maximum camera weight is 2kg
- Baseboard: 40 x 48cm

Valoi Copy stand

Technically, we sell the very affordable Valoi 360 Essential Copy Stand as an aid to scanning, but then all copystands can achieve this.

- Point your camera down at the desk to allow for easy, optimised scanning
- Quickly regulate the height of the stand with a simple lock and slide
- Wide grip area for the head to hold the camera firmly
- Large custom aluminium tripod screw for excellent ergonomics and a firm grip on your camera.
- Wide area to allow space for your hands
- Aluminium and construction provide stability while being affordable
- Easy user-assembly

The head of the stand is custom-made and specially designed for scanning. The shape of it supports the camera sturdily while providing a broad front, covered in rubber material, that grips onto the base of the camera to keep it from swinging. The wider front also allows for a large, custom-made for this stand, 40mm diameter tripod screw and for your hands to tighten it quickly.

Kaiser RS2

The RS2 XA has a 15.7 x 16.5-inch baseboard, and the column height is 31 inches. The non-reflective matt grey base board with printed fine grid helps align copying with a cm/inch scale. Matt-black, anodised aluminium section tube column with cm/inch scale matches the black lamps. It has a horizontally adjustable camera arm to change the distance to the column, which moves approximately. 7 cm (2.7 in.) back and forth. 1/4" mounting thread. Column folds down on baseboard.

The accompanying 18w RB 218 HF Lighting unit is a high-frequency operating system. It includes two small light banks, each equipped with a cold light fluorescent lamp, tiltable and adjustable in height. The angle of the vertical arms is adjustable by the locking joint. They are mounted with strong die-cast clamp bases.

- Clamp width 48 mm (1.9 in.)
- Lamps: 2 x 18 watts 40kHz
- Colour temperature: 5400 K

COPY STANDS

Code	Brand	Product	Description	Ex VAT	Inc VAT
9079	Kaiser	RS2 XA Copystand & Lights (5411 and 5464)	With 2x 18w 5400 K lights, includes adj. camera mount	700.00	840.00
9080	Kaiser	RS1 Copystand & Lights (5510 & 5550)	With 2x 27w 5600 K LED lights, includes RA1 camera mount	1165.83	1399.00
9081	Kaiser	RS1 Copystand 5510 (no lights)	Includes RA1 camera mount	499.17	599.00
9082	Kaiser	RB 5020 DS2 LED Lighting Unit	Two LED lights, 5600k, 2x 17w, 4300 lux	583.33	699.99
9095	Kaiser	Book Copying Holder (K5771)	Positions books perfectly for copying	349.17	419.00
25263	Firstcall	Copystand 320	Budget copystand without lights	28.33	34.00
25264	Firstcall	Copystand 500	Intermediate copystand without lights	54.17	65.00
25265	Firstcall	Copystand 720WL	Our great value copystand with lights, 200w	133.33	159.99
25266	Firstcall	Copystand Spare Bulb, R80, 100w	Spare lamp for our 720 copystand	10.49	12.59
12179	Negative Supply	Basic Riser MK3 c/w Steel Base NEW	Metel entry level copy stand for camera scanning	249.17	299.00
12187	Negative Supply	Basic Riser Mini MK2 NEW	Basic copy stand for film scanning	157.50	189.00

BACKGROUND SUPPORT SYSTEMS

Lastolite Freestanding Background System

Freestanding setups are often referred to as goalpost stands for apparent reasons and comfortably support your chosen paper or cloth material. They are also the cheapest and easiest way to support backgrounds in your studio. We recommend buying a set-up like those from Lastolite.

These portable systems suit all backgrounds – paper, cloth, and vinyl. Available as a half-width, full-width, or even telescopic roll option, they comprise two stands and a crossbar. Their full-width versions will take backgrounds up to 10 feet wide and drape from up to 8 feet high. Their kits include a free case to store the components.

Choose 1108 for roll weights up to 5kg and 1128 for weights up to 13kg (like Vinyl).

Lastolite Solo Background Support

This ingenious design features a unique pivoting cross bar, making raising the background on the supports a much more natural and safer operation. Rather than step-by-step adjustments at each end of the support system, the new pivoting connectors allow for much more significant steps without making the whole structure unstable and unmanageable. The support is available as a 3m wide solution.

It has a telescopic crossbar and a handy carry case that fits comfortably into a car. The neat thing is that the Solo Support Brackets are also available on their own, in a set of two, for use with most industry standard background support systems.

The Solo Background Support consists of 2x Solo Support Brackets, 2x stands and 1x crossbar.

Colorama Rolleasy Fixed Background Support

With Colorama Rolleasy, it is easy to manage your backgrounds. For use with a solid wall or ceiling mount system, this manual background roller system uses a detachable crank to raise and lower each background smoothly, which is then automatically locked in position. Only one person is needed to change rolls, unlike many other systems that need two.

The unit can be ceiling or wall-mounted, according to choice. Both systems have brackets that hold up to four full-size backgrounds. We sell three starter kits for wall and ceiling use that come fully equipped with 2 or 3 rolls of paper. The unit comes equipped complete with stub ends and paper weight & cutters. If you are using vinyl, you will need a different configuration as vinyl users need an aluminium core, and the vinyl is pre-rolled onto the core at the time of order, so call us for a quote. Vinyl backgrounds 2.72m wide are only available in white and black colours.

Colorama Rolleasy has no chains and no free-swinging parts and is well out of the way of studio operations when not in use, extending no more than 267mm (10.5") down from the mounting point.

Magnetic Background Support

The Lastolite Magnetic Background Support lets photographers quickly and easily attach collapsible backgrounds with a steel rim to a traditional lighting stand.

Reliable magnetic connectors grip the background in two positions, eliminating yaw and increasing stability. The support is designed to fit an industry-standard 5/8 spigot connector, making it compatible with most traditional lighting stands.

The background can be attached to the support at a comfortable height. Switching backgrounds is quick and easy; pull one off and snap another on.

NEW BACKGROUND ITEMS WILL BE ADDED TO OUR RANGE DURING 2024 – CHECK WEBSITE FOR LATEST NEWCOMERS

BACKGROUND SUPPORT SYSTEMS

Code	Brand	Product	Description	Ex VAT	Inc VAT
23511	Colorama	Rolleasy Background System, Wall - 2 roll	Complete kit for wall mounting 2 rolls up to 2.72m	950.00	1140.00
23512	Colorama	Rolleasy Background System, Ceiling - 2 roll	Ceiling mounting for 2 rolls up to 2.72m	921.67	1106.00
23551	Colorama	Rolleasy Background System, Wall - 3 roll	Complete kit for wall mounting 3 rolls up to 2.72m	1512.5	1815.00
23552	Colorama	Rolleasy Background System, Ceiling - 3 roll	Ceiling mounting for 3 rolls up to 2.72m	1438.33	1726.00
23513	Colorama	Supplementary Unit inc Stub Roller for Rolleasy	Needed to add an extra roll on support system	284.17	341.00
23514	Colorama	Paper Weight and Cutter	Used to keep a straight edge on 2.72m paper roll	76.67	92.00
23515	Colorama	Paper Brake (pair)	Used to keep a straight edge on 2.72m paper roll	15.83	19.00
26236	Colorama	Foam Paper Storage Roll Holder	Wall mounted brackets, holds 12 rolls of paper	47.50	57.00
26243	Lastolite	Solo Background Support, 3m	Faster & safer	274.17	329.00
26754	Lastolite	Magnetic Background Support Kit - 1121	Maximum Payload 5kg, includes lighting stand & bag	137.50	165.00
27027	Lastolite	Background Support System & Bag - 1108	For backgrounds up to 3 metres in width, 5kg weight limit	192.50	231.00
27028	Lastolite	Background Support System & Bag - 1128	For backgrounds up to 3 metres in width, 13kg weight limit	221.67	266.00

Continuous Lighting

Flash Lighting

Flashguns and Accessories

Copy Stands

Background Support Systems

Background Paper

Background Cloth

Studio Accessories and Lamps

Digital Colour

INDEX

BACKGROUND PAPER

The most popular background materials are paper, sold in rolls, and matched to the colour you want your background to appear in your studio shot.

Background Paper from Colorama and Lastolite

Paper is the best choice when it comes to backgrounds because when it gets dirty, you rip it off the roll, ensuring you can shoot against a pristine surface for every shot.

Colorama and Lastolite background paper rolls, made in the USA, are available in one length of 11 metres. However, Colorama offers the full range in two width choices – 4.5 and 9 feet in a full range of colours.

Colorama uses unusually robust and durable paper, coloured with aniline dyes, to guarantee complete fastness to light and faithful colour rendition. They are rolled onto a thick cardboard core; the background stays smooth and does not sag or crease. We can order any colour and stock the most popular, including blue and green Chromakey and Graduated PVC versions. To view an electronic swatch of the Colorama papers, please go to our website for the full selection in our Info. Section.
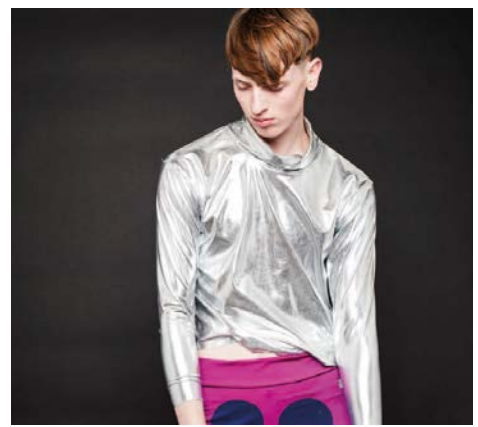
Colorama PVC

The choice of background can make the difference between an excellent result and a disappointing shot. Rainbow graduated backgrounds from Colorama punch extra life into your tabletop sets, still-life studies and package shots.

There is no need for special lighting or gels - get professional results with the most straightforward lighting setups, even just daylight alone. Best of all, you can easily repeat the same effect time after time because the background is durable, wipe down PVC. Colorama's sheets offer dramatic effects.

Each version smoothly blends two or more colours in a background of 1.1 x 1.7 metres (approximately 43" x 67") and is available in five different colour options.

BACKGROUND PAPER AND PVC

Code	Brand	Product	Description	Ex VAT	Inc VAT
26216	Colorama	Background Paper Arctic White 1.35 x 11m	Half width	45.83	55.00
26217	Colorama	Background Paper Arctic White 2.72 x 11m	Full width	74.17	89.00
26220	Colorama	Background Paper Polar White 1.35 x 11m	Half width	45.83	55.00
26221	Colorama	Background Paper Polar White 2.72 x 11m	Full width	74.17	89.00
26222	Colorama	Background Paper Urban Grey 1.35 x 11m	Half width	45.83	55.00
26231	Colorama	Background Paper Urban Grey2.72 x 11m	Full width	74.17	89.00
26223	Colorama	Background Paper Black 1.35 x 11m	Half width	45.83	55.00
26224	Colorama	Background Paper Black 2.72 x 11m	Full width	74.17	89.00
26185	Colorama	Background Paper Cherry Red 2.72 x 11m	Full width	74.17	89.00
26197	Colorama	Background Paper Quartz 1.35 x 11m	Half width	45.83	55.00
26198	Colorama	Background Paper Quartz 2.72 x 11m	Full width	74.17	89.00
26199	Colorama	Background Paper Mist Grey 2.72 x 11m	Full width	74.17	89.00
26227	Colorama	Background Paper China Blue 1.35 x 11m	Half width	45.83	55.00
26228	Colorama	Background Paper China Blue 2.72 x 11m	Full width	74.17	89.00
26179	Colorama	Background Paper Chromakey Blue 1.35 x 11m	Half width	45.83	55.00
26180	Colorama	Background Paper Chromakey Blue 2.72 x 11m	Full width	74.17	89.00
26182	Colorama	Background Paper Chromakey Green 2.72 x 11m	Full width	74.17	89.00
26184	Colorama	Background Paper Chromakey Green 1.35 x 11m	Half width	45.83	55.00
26230	Colorama	Background Graduated PVC 303 Smoke to White	1.1 x 1.7m sheet	74.17	89.00
26232	Colorama	Background Graduated PVC 316 Aqua to White	1.1 x 1.7m sheet	74.17	89.00
26233	Colorama	Background Graduated PVC 315 Sky to White	1.1 x 1.7m sheet	74.17	89.00
26235	Colorama	Background Graduated PVC 301 Black to White	1.1 x 1.7m sheet	74.17	89.00
26241	Colorama	Background Graduated PVC 312 Bluebell to White	1.1 x 1.7m sheet	74.17	89.00
27247	Lastolite	Paper Roll, Super White, 1.37 x 11m – 9101	Half width	48.33	58.00
27250	Lastolite	Paper Roll, Super White, 2.75 x 11m – 9001	Full width	64.17	77.00
27248	Lastolite	Paper Roll, Black, 1.37 x 11m – 9120	Half width	48.33	58.00
27259	Lastolite	Paper Roll, Black, 2.75 x 11m – 9020	Full width	64.17	77.00
27254	Lastolite	Paper Roll, Wine, 2.75 x 11m – 9006	Full width	64.17	77.00
27255	Lastolite	Paper Roll, Red, 2.75 x 11m – 9008	Full width	64.17	77.00
27256	Lastolite	Paper Roll, Arctic Grey, 2.75 x 11m – 9012	Full width	64.17	77.00
27262	Lastolite	Paper Roll, Flint, 2.75 x 11m – 9026	Full width	64.17	77.00
27272	Lastolite	Paper Roll, White, 2.75 x 11m – 9050	Full width	64.17	77.00
27273	Lastolite	Paper Roll, Ivory, 2.75 x 11m – 9051	Full width	64.17	77.00
27274	Lastolite	Paper Roll, Pebble Grey, 2.75 x 11m – 9075	Full width	64.17	77.00
27278	Lastolite	Paper Roll, Regal Blue, 2.75 x 11m – 9065	Full width	64.17	77.00
27280	Lastolite	Paper Roll, Chromakey Green, 2.75 x 11m – 9073	Full width	64.17	77.00

Continuous Lighting

Flash Lighting

Flashguns and Accessories

Copy Stands

Background Support Systems

Background Paper

Background Cloth

Studio Accessories and Lamps

Digital Colour

INDEX

BACKGROUND CLOTHS, POP-UPS AND VINYL

A cloth – curtain or pop-up form is an attractive alternative to background paper. Although more expensive to buy initially, most fabrics can be machine-washed and last much longer. Of course, you could always make your own from cotton muslin, but the manufactured ones all come pre-sewn with a loop for the background crossbar to thread through. Both Interfit and Lastolite cloth backgrounds fit standard background pole systems.

Pop-Up Backgrounds

The range of Lastolite Pop-Up Backgrounds covers all creative photo-taking opportunities. They come in a standard (6 x 7 feet) and are exceptionally well made in the UK. Foldable into the circular bag, which is included in the price, the backgrounds are then tied with Velcro tapes when attached to the (optional) Magnetic stand to make them free-standing.

The Lastolite pop-up backgrounds are crease-resistant and come in larger sizes (some in a particular order).

Interfit Background Cloths

Interfit's range of quality material backgrounds improves any portrait studio shoot.

Their range of plain colour muslins is washable and includes a stuff bag, a non-reflective surface treatment for better reproduction, and a crossbar pocket on one edge. Available in two sizes, 2.9m x 3.0m and 2.9m x 6.0m, you should find they will look as good as new throughout years of use. With these cotton muslin cloths, you should use the Lastollite 1108 support stand.
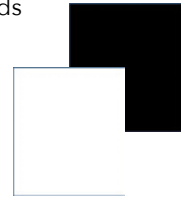
We only have a few colours left in stock now since Interfit withdrew from the UK market in 2023.

Lastolite Super White Vinyl Roll

You can use Lastolite's wipe-clean Superwhite vinyl background over and over again. Just wipe away any dirt or footprints at the end of your shoot, then roll it back up, ready for next time! It could not be easier. Supplied on a roll the same width as our standard paper backgrounds (2.75m), the Superwhite vinyl can easily be suspended using the Lastolite 1108 background support system (page 91). It is excellent for high key photography.

Lastolite Panoramic Backgrounds Cloths

Photography, mainly if you are in a school or college, often involves taking group photographs. Trying to get more than three people successfully posed in the width of 2.72-metre backgrounds is almost impossible.

Lastolite has solved this problem by developing an ultra-wide Panoramic Background. Like their other backgrounds, it is crease-free and collapsible using its three-panel aluminium framework. Creating a functional self-supporting wraparound structure in three colours of Black, White and Chromakey Green, each one is 4 metres wide and 2.35m high, and a single person can assemble them. Each kit neatly folds down into its case for compact storage.

Colormatt PVC Small Sheet Backgrounds

If you want a small sheet (100 x 130cm) of coloured PVC for that particular shot, then Colorama offers Colormatt sheets. Available in nine different colours, each set of PVC provides a smooth matt surface (one version is gloss). They are handily packed in cardboard tubes for transit protection and are water-resistant.

BACKGROUND CLOTH, POP-UP AND VINYL

Code	Brand	Product	Ex VAT	Inc VAT
27446	Colorama	Colorgloss 100x130cm Background, 1309, Super White	19.17	23.00
27447	Colorama	Colormatt 100x130cm Background, 9700, Coal	19.17	23.00
27448	Colorama	Colormatt 100x130cm Background, 9010, Dove Grey	19.17	23.00
27449	Colorama	Colormatt 100x130cm Background, 5047, Electric	19.17	23.00
27450	Colorama	Colormatt 100x130cm Background, 6900, Navy	19.17	23.00
27451	Colorama	Colormatt 100x130cm Background, 4550, Poppy	19.17	23.00
27452	Colorama	Colormatt 100x130cm Background, 6400, Royal Blue	19.17	23.00
27453	Colorama	Colormatt 100x130cm Background, 9270, Slate	19.17	23.00
27454	Colorama	Colormatt 100x130cm Background, 7100, Spring Green	19.17	23.00
27455	Colorama	Colormatt 100x130cm Background, 1309, Super White	19.17	23.00
26738	Interfit	INT 515S Washable Background Cloth Black	40.83	49.00
26739	Interfit	INT 515L Washable Background Cloth Black	74.17	89.00
26740	Interfit	INT 525S Washable Background Cloth Chromakey Green	40.83	49.00
26741	Interfit	INT 525L Washable Background Cloth Chromakey Green	74.17	89.00
26754	Lastolite	Magnetic Background Support Kit - 1121	137.5	165.00
27064	Lastolite	Collapsible Background, M, Black & White - 5921	189.17	227.00
27065	Lastolite	Collapsible Background, L, Black & White - 6921	249.99	299.99
27436	Lastolite	Panoramic Background, 4m, Black - 7621	555.83	667.00
27437	Lastolite	Panoramic Background, 4m, Green - 7622	464.17	557.00
27440	Lastolite	Panoramic Background, 4m, White - 7623	555.83	667.00

Meters

Good photographers should use a light meter when they want to be absolutely sure of the light readings to apply to their camera settings. The Sekonic L-308X Flashmate is our best-seller as it's the ideal all-in-one light meter for studio and on-location photographers and is the smallest and lightest digital light meter in the Sekonic range.

It offers both ambient and flash lighting exposure control for photographers as well as being suitable for video with its dedicated Cine and HD Cine modes.

It can handle direct and reflected light exposure measurements in increments of full, half or third stops when using digital or film cameras. It also has an extensive metering range from 0 to 19.9 EV at ISO 100, and its flash range is f/1.0 to f/90.9 at ISO 100. Its accuracy rating is <0.1 EV on repeat exposures, and when set to the whole stop mode, you view the exposures in steps of 1/10th of a stop.

Filmomat PhotoPlug

PhotoPlug Shutter-Speed Tester

Is your shutter speed correct when you take your photo?

Well, with the new PhotoPlug Shutter Speed tester, you can make sure it is. This app-based accessory is a small device that fits the headphone jack of your iPhone or Android smartphone. It converts light into electrical signals, which are transferred to the phone via the microphone input.

To make a measurement, you have to open the camera back, point the camera towards a bright light source and position the PhotoPlug behind the camera.

A graphic in the Shutter Speed App will show a peak when the shutter opens and another when it closes. The time between the two extremes is the shutter speed.

Lamps

We are one of the few one-stop sources for replacement studio lamps. We continue to stock most of the lamps we've ever sold for use with lighting outfits, old and new. Increasingly, this is proving difficult for a variety of reasons, including the EU ban on tungsten lamps and manufacturers like Interfit going out of business. If you need a replacement lamp that is not listed opposite, we'll try our hardest to obtain it.

STUDIO ACCESSORIES

Code	Brand	Product	Description	Ex VAT	Inc VAT
		LAMPS			
6001	Lamps	Daylight Bulb, 240V/100W BC	Helps assess colour prints	3.16	3.79
6002	Lamps	Daylight Bulb, 240V/100W, Screw fit	Helps assess colour prints	2.91	3.49
		INTERFIT REPLACEMENT LAMPS			
26078	Interfit	INT 034 Helix 240v 30w 6400K E27 T3 Fluorescent	30w daylight bulb for all Cool Lite heads	13.12	15.74
26068	Interfit	INT 036 Halogen Bulb 1000W 240V	Replacement lamp 1000 Watt for HL1000 & Stellar X Halogen (INT 189)	16.62	19.94
26069	Interfit	INT 038 Modelling Lamp JDD75WE14	75w / 100w self-replacement modelling lamp for EX150	8.46	10.15
65027	Interfit	INT 499 Modelling Lamp for Stellar	fits all Interfit Stellar units, 150w	7.48	8.97
65028	Interfit	INT 515 Modelling Lamp for EXD200	60w self-replacement for EX150 Mk1 and EXD200	7.47	8.97
65029	Interfit	INT 516 Modelling Lamp 75w 240v JD G5.3	Self-replacement for Interfit (F121 INT900 & INT905) Studio Lights	5.83	6.99
		PATERSON REPLACEMENT LAMPS			
65116	Paterson	LIT006 Lamp, 135w	For LIT110 and LIT200/1 Lights, daylight balanced, 675w output	35.56	42.67
65115	Paterson	LIT007 Lamp, 70w	Replacement Lamp for LIT110, daylight balanced, 350w output	18.90	22.68
65114	Paterson	LIT008 Lamp, 30w	Replacement Lamp for LIT110, daylight balanced, 150w output	10.50	12.60
65117	Paterson	LIT400 Lamp, 3300 lumens (500w)	LED replacement lmap for 500w tungsten or daylight heads	40.00	48.00
		TUNGSTEN STUDIO REPLACEMENT LAMPS			
25564	Lamps	P1/1 BC Bayonet Photoflood lamp, 240v 275w	240v 275w	3.50	4.20
26565	Lamps	P1/1 ES Screw Photoflood lamp, 240V 275w	240v 275w	3.50	4.20
26521	Lamps	P2/1 BC Bayonet Photoflood lamp, 240V 500w	240V 500w – Replacement for Tungsten Heads	9.58	11.50
26514	Lamps	P2/1 ES Screw Photoflood lamp, 240V 500w	240V 500w – Replacement for Tungsten Heads	8.25	9.90
26541	Lamps	P2/13 Studio lamp, 240v 800w	Fits Redhead tungsten lamps	8.93	10.71
23003	Lamps	Photolux Halostar 64480 Modelling Lamp, E27, 250w	Replacement modelling lamp for most Bowen heads (halogen lamp)	5.94	7.13
23002	Lamps	Super Leuci Modelling Lamp, 100w	Replacement modelling lamp for Elinchrom, Prolinca, Lastolite	7.14	8.57
26529	Lamps	Fluorescent ES Lamp, 240V 85w (8036)	240V 85w – screw alternative for tungsten heads	26.79	32.15
		LIGHT METERS & METERING			
17021	Sekonic	L-208 Twinmate	Smallest incident and reflected, fits on camera	99.17	119.00
17022	Sekonic	Flashmate L-308X Light Meter	Best-selling, all-in-one light meter	182.50	219.00
65017	Interfit	INT 410 Flashmeter	Good value, incident and reflected, in 1/3 stops	45.83	55.00
26183	Delta	Gray Card, 8 x 10", with Zone System Guide	Determines exposure, 18% grey card	11.66	13.99
		UMBRELLAS & SOFTBOXES			
65123	Paterson	Brolly, LIT310 Translucent Umbrella, 36"	For use with all lights tungsten or daylight	16.10	19.32
65124	Paterson	Brolly, LIT311 White Reflective Umbrella, 36"	For use with all lights tungsten or daylight	17.85	21.42
65125	Paterson	Brolly, LIT313 Silver/Black Reflective Umbrella, 36"	For use with all lights tungsten or daylight	17.85	21.42
26244	Interfit	U3TRSI Translucent/Silver Convertible Umbrella, 36"	90cm	15.00	18.00
26245	Interfit	U4TRSI Translucent/Silver Convertible Umbrella, 43"	109cm	14.16	16.99
26249	Interfit	UP3SI Parabolic Silver Convertible Umbrella, 41"	105cm	24.99	29.99
65120	Paterson	Softbox, LIT319, Heat Resistant	60 x 90cm for use with tunsgten lights like LIT100	39.38	47.25
		REFLECTORS			
27067	Lastolite	Collapsible Reflector Silver/White, 50cm – 2031	Reversible, collapses to 1/3 of its original size	29.17	35.00
27068	Lastolite	Collapsible Reflector Silver/White, 75cm – 3031	Reversible, collapses to 1/3 of its original size	48.33	58.00
65015	Interfit	INT 274 Reflector Bracket	Fantastic arm and bracket for Interfit reflectors	24.16	28.99
26239	Interfit	5-in-1 Reflector Set 107cm (42") REF5142	Offers convenient options for photographers and videographers to affect the color and quality of the light.	33.33	40.00
		OTHER ACCESSORIES			
26293	Hama	Tripod Flashgun Adaptor, 6959	Mount your flashgun to any tripod screw on your tripod	8.08	9.69
39129	Filmomat	PhotoPlug Shutter-Speed tester	The worlds first and only optical Shutter-Speed Tester	30.83	36.99
65018	Interfit	INT 412 Single Channel Radio System Set	Good value, transmitter and receiver for all Interfit studio lights	33.33	39.99

DIGITAL COLOUR MANAGEMENT

NEW

calibrite

A further benefit of Fisrtcall joining the LUMESCA Group is the wealth of experience and expanded product range this brings in the area of digital colour control.

Just as analogue photography requires a precise approach to developer/fixer times and temperature, digital imagery has its own areas to be controlled.

Every camera and scanner sensor is different and changes with age and environment. The same is true of every monitor, projector and printer. A further consideration is the colour settings of image capture and editing applications, along with viewing conditions if comparing a computer screen against a product or print.

Camera calibration – a universally standard chart, the Calibrite ColorChecker Classic (24 patch), or Calibrite ColorChecker Digital SG chart (140 patch), is photographed and loaded into Calibrite software (free for use with supported charts) which compares the colour patch values in the chart image to reference values in the software. The charts include a range of neutrals, primary, secondary and other key colours, from which a camera profile can be created and used. The profile is applied to correct colours in all images captured under the same conditions. For best results, the process should be repeated at the start of each session or change of environment.

Display calibration – Monitors and projectors can be calibrated with a Calibrite device, such as the Display Pro HL. Your monitor/projector brightness and temperature is meassured first, and set to the desired values. Following this a sequence of colours are displayed and measured. The values are compared to reference values in the software. From this a colour profile is created, stored in the computer system and used for the active monitor. This process can be repeated on multiple monitors even on the same computer and the system remembers which profile is for which monitor. Monitors change with age and it is generally recommended to repeat the process every 2-4 weeks.

Printer calibration – A similar process to display calibration, but a colour sequence is printed and a Calibrite Studio device is used to measure the colour sequence from the paper. The results are saved as a printer profile which is applied in the print driver. A different calibration is required for each paper type and the process needs repeating every few months as print conditions change with age/usage.

We are pleased to represent Calibrite, the leading brand in colour management

- Camera – ColorChecker charts for input calibration
- Monitor/Projector – Calibrite Display range of calibration devices
- Printer/Monitor/Projector - Calibrite Studio device
- Viewing – Calibrite GrafiLite for viewing prints, swatches and product

This is complimented by our range of printers (p72-73), and digital cameras (p78).

All devices in the Calibrite Display range include Calibrite PROFILER software, with easy to use presets, advanced options and help.

See further product and Calibrite PROFILER software details at www.calibrite.com

Additionally, our LUMESCA Group technical services department offers a comprehensive range of colour management training and calibration services – 0121 684 1234 (option #3).
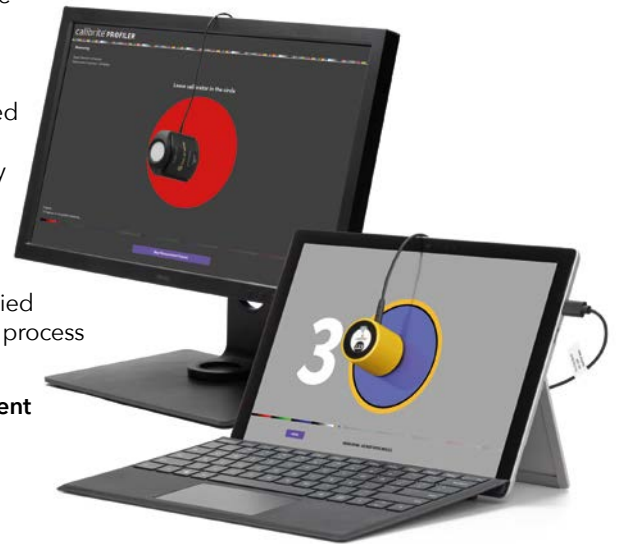
CALIBRITE

Code	Product	Description	Ex VAT	Inc VAT
35001	ColorChecker Clasic	Classic 24 patch camera calibration chart (A4)	70.00	84.00
35002	ColorChecker Passport Photo 2	Classic 24 patch Mini chart combined with warming/cooling chart, white-balance and grey balance, in a protective rigid plastic pocket size case (approx 12.5 x 9cm)	103.33	124.00
35003	ColorChecker Classic Mini	Classic 24 patch chart in a Mini size (approx 6.5 x 11cm)	57.50	69.00
35004	ColorChecker Digital SG	140 patch digital camera calibration chart (A4)	295.00	354.00
35005	ColorChecker Gray Ballance	18% Grey Balance Chart (A4)	53.33	64.00
35006	ColorChecker 3 Step Grayscale	Black, 18% Grey, and White Camera Chart (A4)	70.00	84.00
35007	Display 123	Display Calibrator – The simplest and easiest way to colour correct your monitor	90.83	109.00
35008	Display SL	Display Calibrator – Perfect for amateur photographers or those new to colour management	131.00	157.20
35009	Display Pro HL	Display Calibrator – Professional calibration for demanding creatives	191.00	229.20
35010	Display Plus HL	Display Calibrator – Precision calibration for demanding creatives with the latest display technology	249.00	298.80
35011	ColorChecker Studio	Printer and Display Calibrator – includes Mini ColorChecker for camera calibration	435.00	522.00
35012	GrafiLite	Desktop Vieiwng Lamp with 3 intensities and 3 temperatures (5000K, 4000K, 2700K)	157.50	189.00

Continuous Lighting

Flash Lighting

Flashguns and Accessories

Copy Stands

Background Support Systems

Background Paper

Background Cloth

Studio Accessories and Lamps

Digital Colour

INDEX

Film & Film Processing

Print & Print Processing

Photographic Equipment

Studio Equipment

INDEX

Film & Film Processing

Print & Print Processing

Photographic Equipment

Studio Equipment

INDEX