



Commercial

RANGE GUIDE



Printed on the Jet Press 750S High Speed Model

Discover our commercial range

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FUJIFILM

Why Fujifilm?

Fujifilm has a long history of innovation in traditional offset printing, which when combined with the industry's leading inkjet and toner technologies, gives us a unique understanding and capability in our drive to lead the transition to digital.

Heritage

- We've continued to innovate in offset, with our processless plates leading the industry. Benefits include eliminating the need for a processor and water, and therefore also reducing waste.

Technology

- Our Revoria and ApeosPro ranges of digital presses are built on a 60 year legacy of technological excellence in toner research, development and manufacturing.
- Fujifilm is now the world's leading supplier of piezoelectric drop-on-demand inkjet printheads and ink, with our Samba printbar at the heart of our industry-leading Jet Press 750S High Speed Model and scalable imprinting systems.
- Fujifilm has made significant investments in workflow solutions for commercial printing. Back in 2005, Fujifilm built a completely new workflow built around the Adobe PDF Print Engine.

We value trust

- Guided by values of trust, innovation and sustainability, we build long term relationships to deliver lasting value. These are the core values driving Fujifilm, delivering unrivalled value to our customers and their customers alike.

Size and stability

- Our vision is long term and we have the size, financial strength and diversity to weather global financial storms. Our global revenue in 2021 from our Graphic Communications business was €2 billion, a significant proportion of this invested in the development of new digital solutions.

Support

- We have built stable teams with immense knowledge and expertise in print production, delivering a world-class service and support infrastructure.

FUJIFILM

The best of inkjet & toner

Fujifilm is well known as a supplier of high quality pre-press and workflow solutions for commercial offset printing. But less well known is the fact that the company has been undergoing a radical transformation of its business. The result of this transformation is an industry-leading range of digital printing solutions.



Fujifilm's Revoria and ApeosPro ranges of toner digital presses are built on a 60 year legacy of technological excellence in toner research, development and manufacturing within the company's Business Innovation division. Fujifilm is also the world's leading supplier of piezoelectric drop-on-demand inkjet printheads and ink, with its industry leading Samba printbar at the heart of the Jet Press 750S High Speed Model, and wide range of modular imprinting systems.

This technology platform puts Fujifilm in the position of being able to offer the best in toner and the best in inkjet for a wide range of commercial printing applications. With an ambitious plan to launch new digital solutions, complemented by a powerful new digital workflow, we encourage you to take a fresh look at Fujifilm to see how our digital solutions can make a difference to your business.

inkjet

toner

Commercial advantage

Fujifilm's comprehensive technology portfolio has resulted in the industry's leading digital printing systems. These include the Jet Press 750S High Speed Model B2 inkjet press, which is setting new standards for print quality and productivity, along with a variety of scalable inkjet imprinting solutions.

Fujifilm can now also offer the Revoria and ApeosPro ranges of toner digital presses, which include the award-winning Revoria PC1120 press, providing unlimited creative potential with ten colours, including gold, silver, white, pink & clear, easily configurable in six stations.

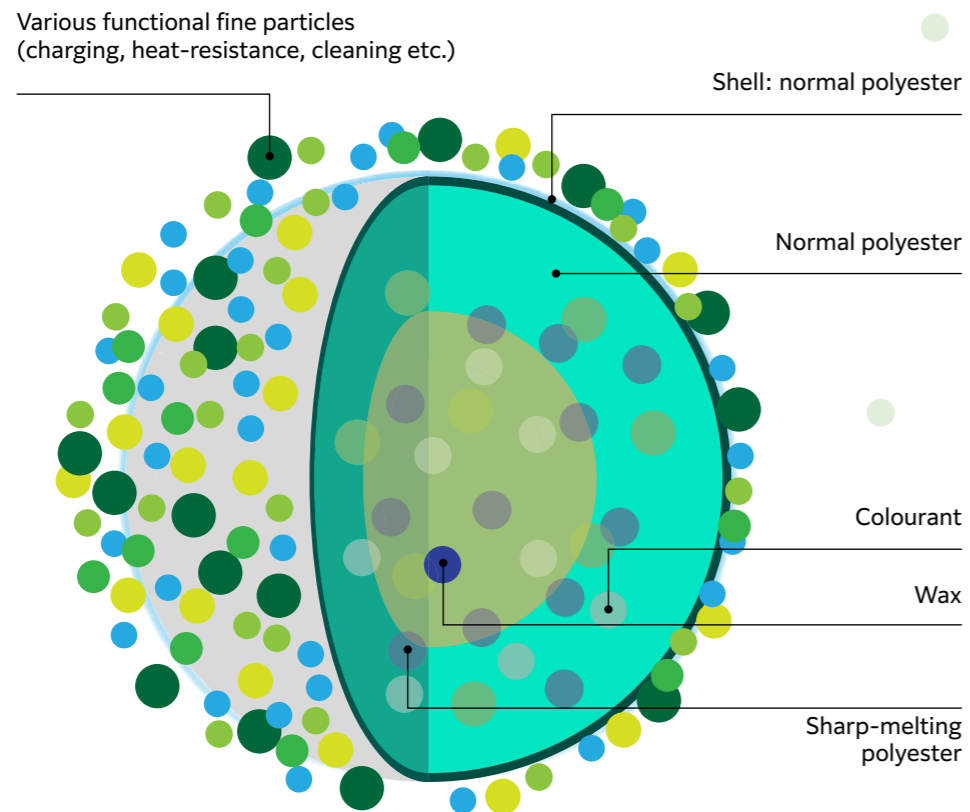
What is common to these digital solutions is breathtaking quality, an expanded colour gamut, and outstanding productivity and performance across a wide range of media, from standard offset paper, to folding carton board and some plastics. So if you are looking to build a competitive advantage for your business, look no further than Fujifilm's digital solutions.



Best-in-class toner technologies

Over the last 60 years, Fujifilm has developed world-leading expertise in toner-based technologies that are transforming printer performance. These include our EA-Eco toner and fusing systems, screening and smoothing algorithms, and systems for laser imaging and registration, finishing and post-processing.

We have also built a network of toner R&D and manufacturing centres in Japan and China. Originally a joint venture with Rank Xerox, this business became a wholly owned Fujifilm subsidiary in 2019, when Fujifilm acquired the final 25%, with the business now renamed as FUJIFILM Business Innovation Corporation.



We know colour

Fujifilm has built phenomenal expertise in image optimisation, colour management and print production workflows thanks in no small part to its origins in 1934 as a photographic company.

This expertise is today built into all Fujifilm digital print solutions, whether that is in the image optimisation, screening algorithms and colour management processes, or increasingly in new forms of workflow management and artificial intelligence.

Fujifilm has continued to invest significantly in workflow solutions for commercial printing. Back in 2005, Fujifilm launched XMF Workflow – a completely new offset workflow built from the ground up around the new PDF Print Engine from Adobe. This is now complemented by the launch of our new digital print workflow XMF PressReady, which is set to automate many aspects of digital production, and provide the foundations for the smart factory of the future.



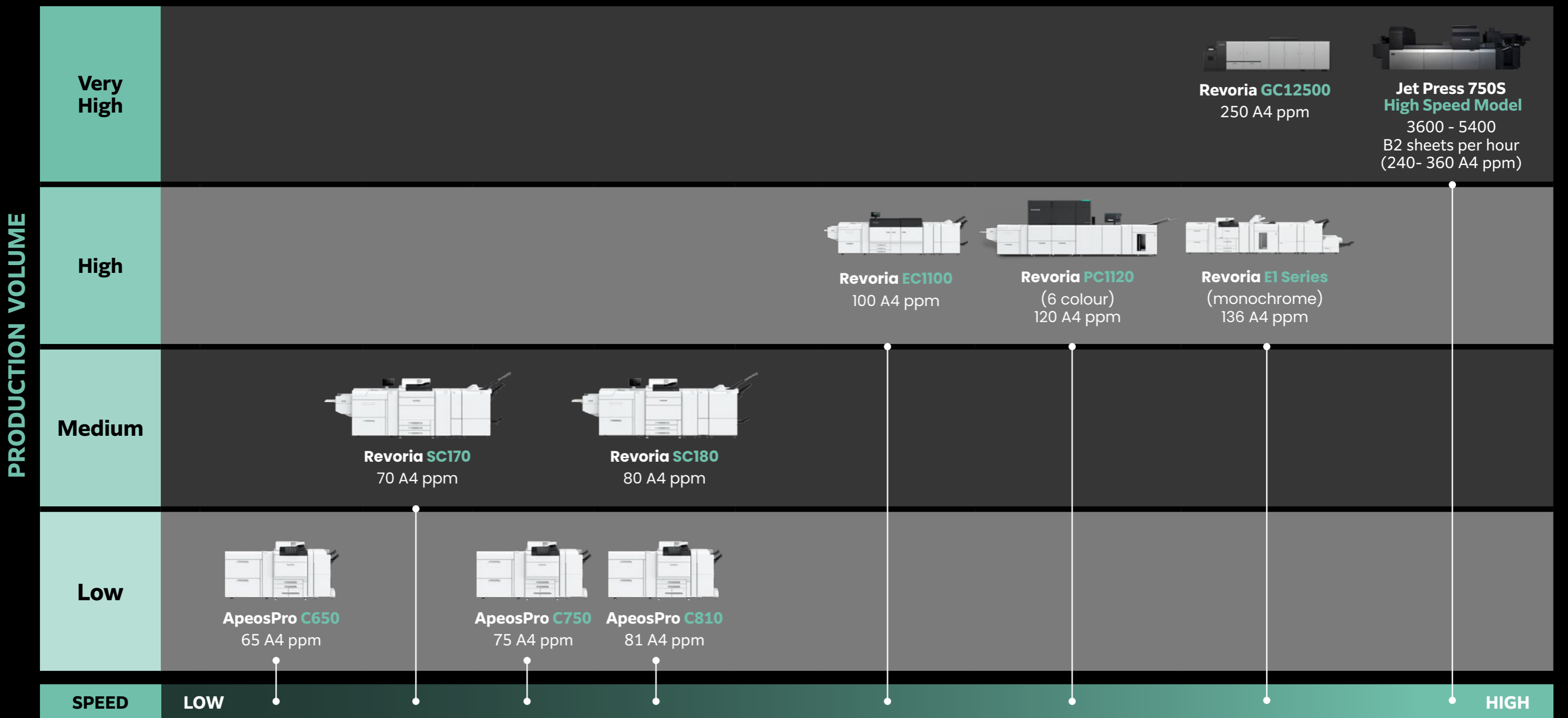
New developments in AI (Artificial Intelligence) automatically determine the scene for each photographic image on the page and make appropriate corrections.

Section One

Digital production solutions



Digital press portfolio



Advanced, high quality monochrome print production

Revoria E1 Series

A versatile and advanced range of printers designed to produce the highest quality monochrome print, consistently and reliably, at speeds of up to 136 ppm.

The E1 Series is capable of continuous operation, and with a wide variety of feeding and finishing options, will deliver a huge range of high quality finished print.

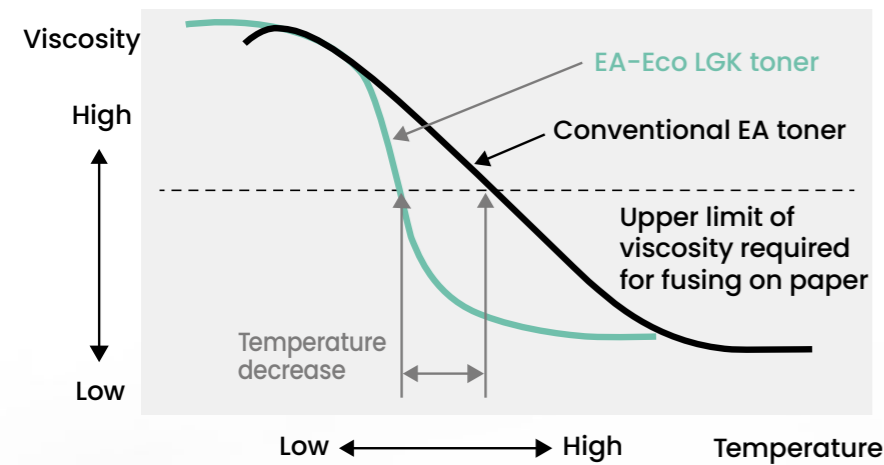


High productivity, reliable production

Ultra-high core print speeds of up to 136ppm

High-speed continuous printing of up to 136 ppm*¹ has been made possible for both single and double sided jobs. This is because the advanced EA-Eco LGK toner allows fusing at lower temperatures, with a roll type fusing unit providing a consistent heat supply, resulting in the reliable fusing of paper transported at high speeds.

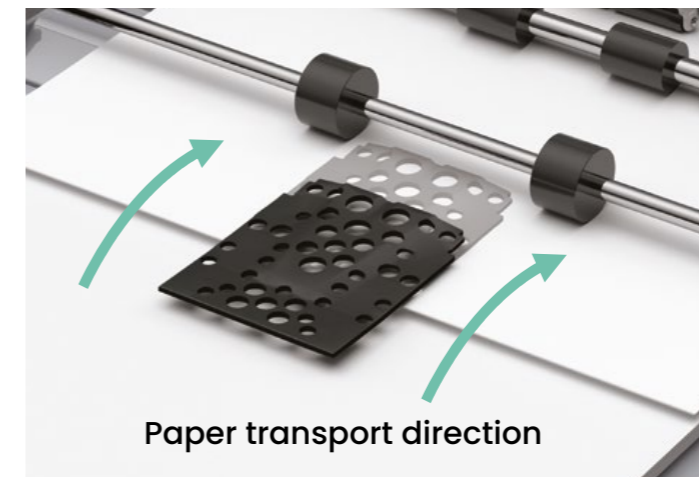
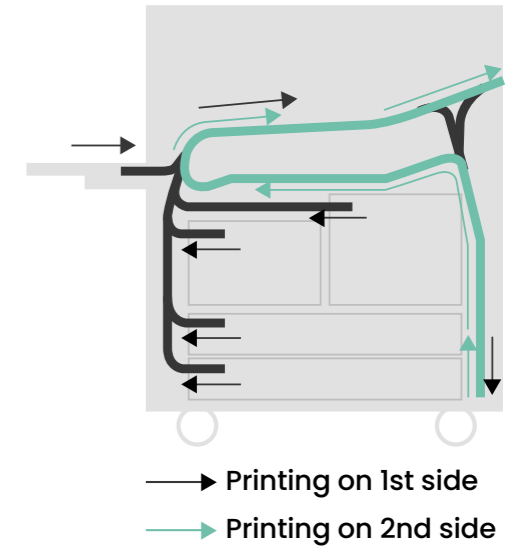
136
ppm



Advanced features that minimise paper jams are designed to ensure continuous operation

Stable paper transport

Wide turning angles in the paper path mean that the paper transport is fast and stable. In addition, for 2 sided printing, a vertical paper inversion mechanism reduces curves in the paper path to minimise paper jams. Finally, as the EA-Eco LGK toner fuses at lower temperatures, less impact is caused by the heat generated by the fused paper on the transfer mechanism, minimising paper transport issues.



Air suction feeder with enhanced paper handling capabilities

The air suction feeder uses a small amount of air to easily separate and deliver each sheet efficiently. This improves the feed performance of many types of paper, for example paper with a lot of dust, pre-printed paper using powder, paper with an uneven texture, and coated paper that is prone to sticking. In addition, a stable feed is achieved at high speeds for various paper weights, from light to heavyweight, and from small sizes to large.



Continuous mass printing

High capacity feeders and stackers make continuous mass printing possible. In addition, cartridge replacement and paper refills can be done while printing is in progress, with a single high capacity toner cartridge yielding approximately 71,500 pages*².

*¹ A4 LEF, Revoria Press E1136

*² A4 LEF size, area coverage 6% at continuous printing. Reference of FUJIFILM Business Innovation test criteria

Superb, high quality print

The heart of the printer uses VCSEL* as a light source. It enables printing at an ultra-high resolution of 2400 x 2400 dpi by producing images simultaneously with 32 laser beams.

EA-Eco LGK toner for high image quality

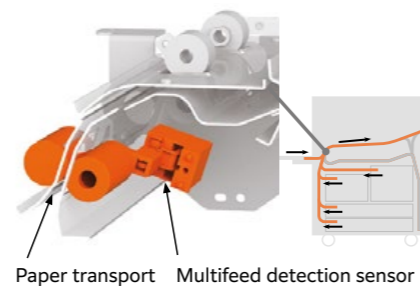
The EA-Eco LGK toner, with extremely small particle sizes of 6.5 microns, allows the reproduction of smooth, fine gradations in photographs, uniform densities and very fine text to be achieved. It also produces easy-to-read printed text with less glare which is also easy on your eyes.

Advanced transfer unit for consistent transport speed

Designed to prevent fluctuations in paper transport speed, the stable drive speed of the transfer belt has been achieved by increasing the roll diameter, along with the automatic adjustment of contact pressure between transfer belt and drum. These measures ensure consistent transfer speeds of all paper types.

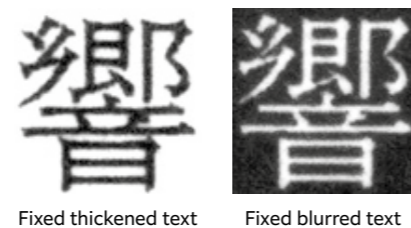
No more multifeed and mixed blank pages

The multifeed detection sensor monitors the paper flow to prevent the feeding of multiple sheets of paper. If a multifeed is detected, printing is interrupted to prevent the insertion of a blank page.



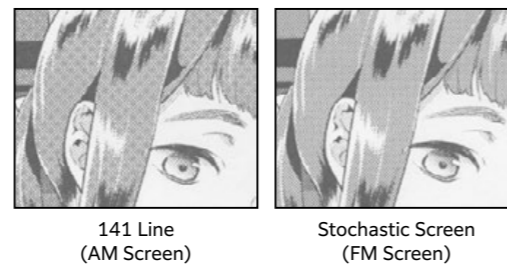
Edge enhancements to improve image quality

Higher image quality has been implemented with 'Edge Enhancement' technology that fixes the jaggedness on the edge of thin lines and text outlines, along with 'Adjust Invert Text/Line Weight' technology that fixes thickened/blurred text.



A wider variety of screening choices

Various screen settings, including an FM screen that suppresses moiré, are now available.



141 Line (AM Screen)

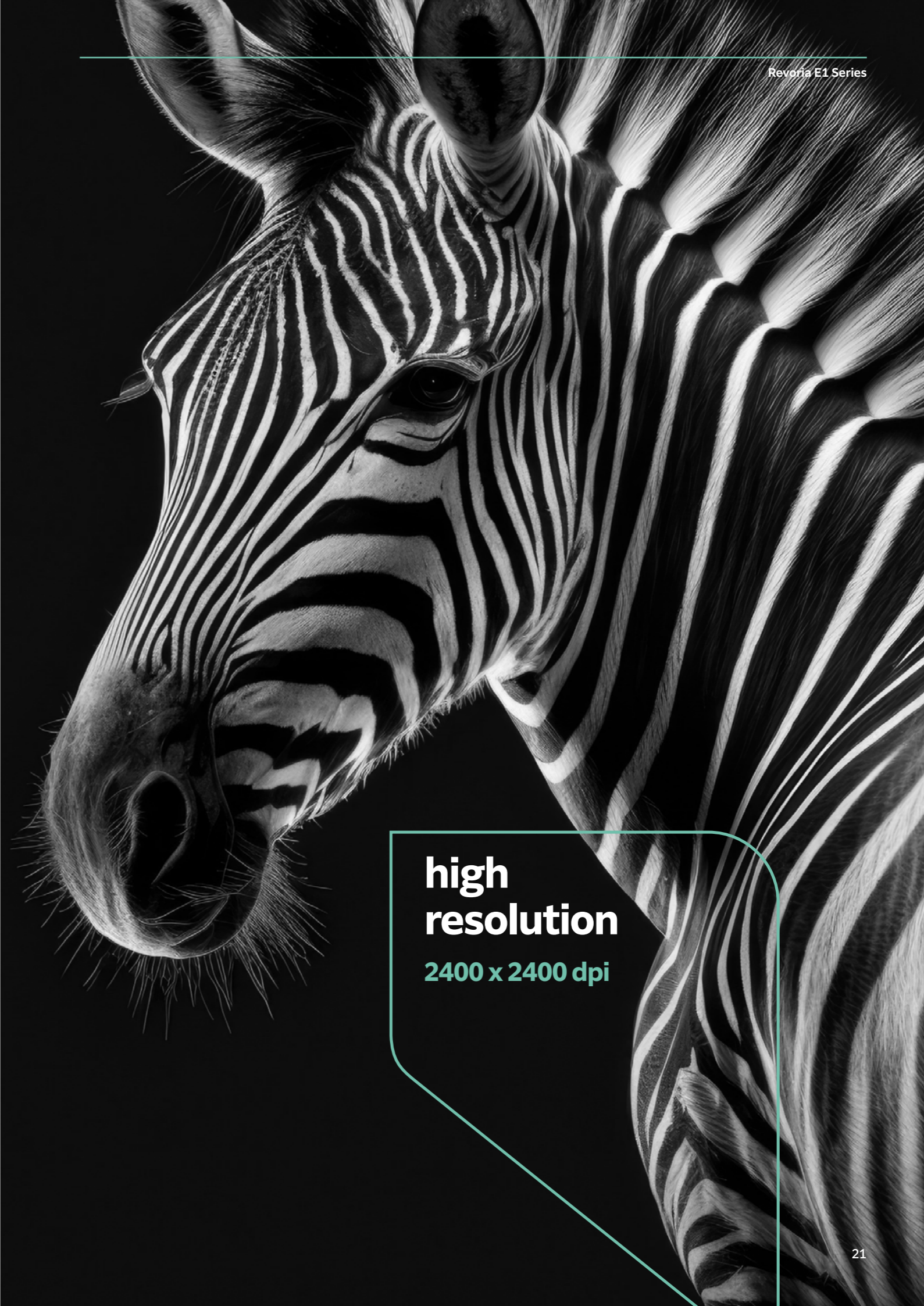
Stochastic Screen (FM Screen)

Ultra-high precision registration

Image Registration Control Technology (ReCT) precisely measures the position of sheets running at high speeds, and produces real time corrections to the poor registration of printed images or distortion on each sheet to ensure the highest possible quality.

Maintain print quality with easy adjustments

To maintain print quality, easy adjustments can be made with the Simple Image Quality Adjustment (SIQA) process by just printing and scanning the calibration chart. This ensures consistent print quality with properly adjusted print position, perpendicularity, skew and magnification on both the front and back sides.



high resolution
2400 x 2400 dpi

*Vertical Cavity Surface Emitting Laser

Flexible and versatile

A wide range of paper weights, feeding options and finishing systems ensure the most versatile production.

Media handling capabilities

The E1 Series can handle a wide range of paper weights from lightweight paper of 52 gsm to heavyweight paper of 350 gsm. The upper limit of heavyweight paper has been extended thanks to the paper path design, and by employing a control mechanism that automatically switches fusing-roll pressure between two levels. Fine control has also been achieved to extend the range of supported coated and speciality papers.

Paper sizes ranging from A6 to 330.2 x 488 mm are available. Full-bleed printing on SRA3 (320 x 450 mm) sheets is also possible, to create brochures or leaflets that need to have bleed. In addition, banner printing on long paper up to 660.4 mm is also available. This means new print applications such as powerful panoramic posters are now possible.

Printing with the correct settings for each media type

Up to 100 paper types can be registered with 'Custom Paper Settings'. This allows configuration settings such as alignment, fold position and fusing temperature to be set according to the paper being used, to maximise image quality.

Flexible feeding and finishing options

A wide range of feeding and finishing options make it possible to build flexible printing systems suited to every printing operation. Supported options include cover insertion, three-sided trim, and saddle stapled booklets with square back.



Feeding options

Up to a total of 8250 sheets can be loaded, making it possible to print continuously.



High Capacity Feeder C1-D2
Maximum A4 x 2 trays
2000 sheets x 2 trays



High Capacity Feeder B1-S*4
Maximum A3, 330.2 x 488 mm
2000 sheets x 1 tray
Air assist
*4 Not available on Revoria Press E1136.



High Capacity Feeder C3-DS*5
Maximum A3, 330.2 x 488 mm
2000 sheets x 2 trays
Air assist
*5 Not available on Revoria Press E1100.



Air Suction Feeder C1-DS*6
Maximum A3, 330.2x488 mm
2100 sheets x 2 trays +
250 sheets
Air suction
*6 Not available for Revoria Press E1100.

Finishing options

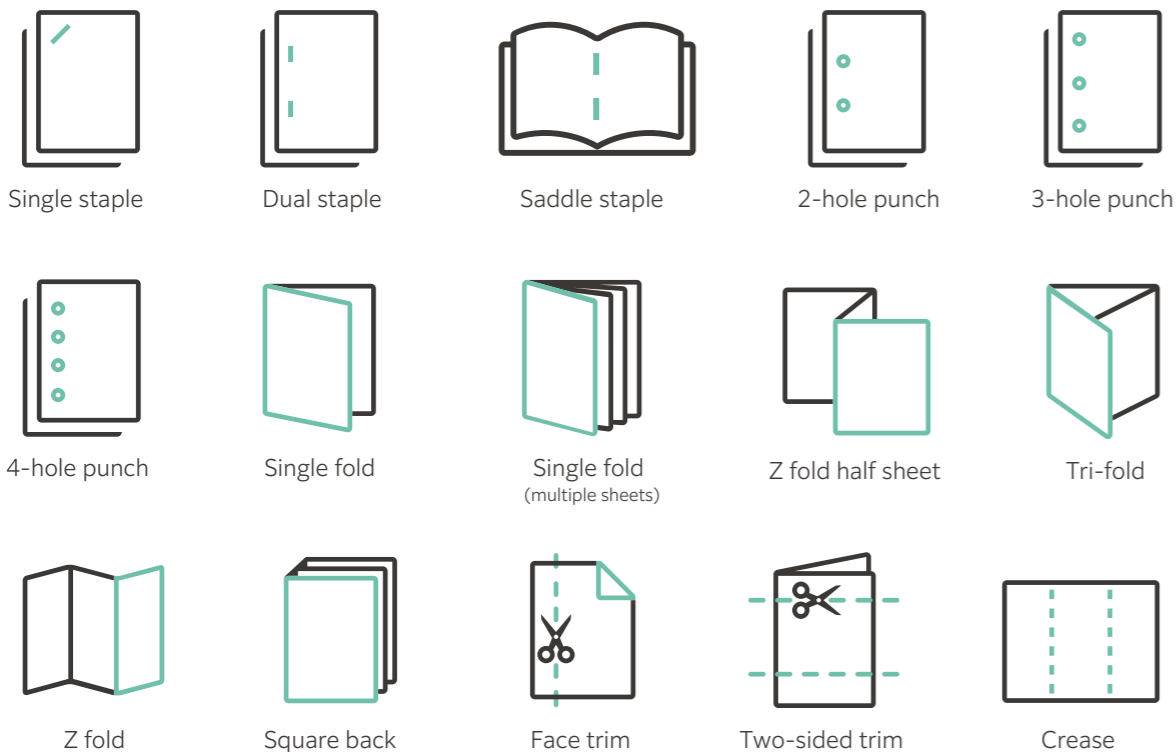
- 1 Interface Decurler Module D1
Real-time paper curl correction
 - 2 Inserter D1
Cover/sheet insertion
 - 3 High Capacity Stacker A1*7
5000-sheet offset-stacking for mass printing
Stacker cart
 - 4 Crease/Two-sided Trimmer D2*7
Two-sided trim
Crease
 - 5 Folder Unit CD2
Z fold half sheet/Tri-fold
 - 6 Finisher D6
100-sheet stapling with auto staple cutting
Hole punch*8
 - 7 Finisher D6 with Booklet Maker
100-sheet stapling with auto staple cutting
Hole punch*8
Saddle staple/Single fold
 - 8 Square Back Fold Trimmer D1*7*9
Face trim
Square back
Simple Catch Tray*10
Offset Catch Tray*10
- *7 Not available on Revoria Press E1100.
*8 Optional.
*9 Available only with Finisher D6 with Booklet Maker.
*10 Available on Revoria Press E1100.

Continuous mass printing enabled

The High Capacity Stacker A1 can accommodate up to 5000 sheets. The printed sheets are directly delivered to the stacker cart (carriage). It is useful when carrying large volumes of printouts to off-line post-processing devices.

Key specifications

	E1136	E1125	E1110	E1100
Maximum productivity A4	136 ppm	125 ppm	110 ppm	100 ppm
Maximum productivity A3	68 ppm	62 ppm	55 ppm	50 ppm
Resolution	2400 x 2400 dpi			
Paper weight	52 to 350 gsm			
Print servers	Revoria Flow PC11			



Light production printers offering exceptional quality

ApeosPro C series

The ApeosPro C Series is an entry level range of four colour printers that offer exceptional quality for businesses with lower production volumes. They are built on a next-generation platform, with all printers in the range able to produce superb, high quality print on a wide range of substrates and for a wide range of applications.

The range includes three models: a standard model, the ApeosPro C750, a premium model, the ApeosPro C810, and the ApeosPro C650, which will offer an additional, ultra-accessible entry point for business with lower production requirements.

All printers in the range can produce flyers, brochures, catalogues and a range of other marketing collateral – including banners up to 1.3 metres long. And they can do all of this rapidly, on demand, whenever required, helping companies to take advantage of time-sensitive business opportunities. The printers are also ideal for confidential, high quality printing that cannot be outsourced (such as samples or product mock-ups).

Key features:

- Ideal for general office use, in terms of functionality and operability
- Suitable for flyers and brochures to be produced quickly to take advantage of urgent business opportunities
- Can be used to produce high quality in-house samples and mock-ups
- Suitable for use with a wide range of papers, including lightweight, cardstock, and embossed paper



Thanks to their hybrid technology, the ApeosPro C Series printers are equally at home in a corporate office, light-production professional print environment, or in a design agency for the production of creative applications.

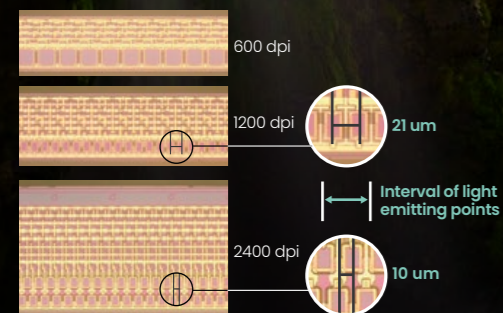
Ultra-high quality output

The world's first* high resolution LED printhead

The ApeosPro C Series benefits from the world's first* high resolution LED printhead, which produces incredible, high definition print:

- World's first* LED printhead with 2400 x 2400 dpi resolution
- LED printhead produces a very thin LED beam to write the image
- The exposure unit does not vibrate because there is no drive mechanism, meaning image reproduction is incredibly stable

LED light-emitting unit



Enlarged photo with thin lines/small text (4pt)



Super EA Eco toner

The ApeosPro C Series also benefits from the use of Fujifilm's Super EA Eco toner found in higher end Fujifilm production devices, which produce the smallest toner particles. The combination of the new LED printhead and Super EA Eco-toner produces ultra-smooth gradations, vibrant colours, and the reproduction of images with very fine lines and small text. In addition, the 'Gloss' function brings a beautiful glossy finish to print where required, for example, photos.

Simple process to maintain quality levels

It is also possible to maintain high print quality levels with very simple adjustments. The printers incorporate an inbuilt standard Simple Image Quality Adjustment (SIQA) process to easily and quickly adjust the print quality. It works by simply scanning dedicated charts to automatically calculate the appropriate values for adjusting density uniformity, image transfer, and registration for both sides of the sheet. The operation is quick and simple, without the need for the operator to remember fine calibration values. In addition to helping to manage print quality, the machine utilisation rate is also improved.



*Utilising dry-electrophotographic toner, as of March 2021 and according to Fujifilm research.

High productivity levels with continuous operation

The ApeosPro C Series printers offer excellent durability and high productivity levels with continuous operation possible.

- Achieve print speeds as high as 81 x A4 ppm with the C810, 75 ppm with the C750, and 65 ppm with the C650
- High capacity paper feeder holds up to 7360 sheets*
- It is possible to replace toner cartridges and add paper without stopping the print job in progress, therefore maximising printer uptime and productivity
- Low wear photoconductor drum with long life reduces the frequency of drum replacements

* Using 80 gsm paper and when the High Capacity Feeder C3-DS is installed.

Fast and efficient operation

The printers are designed so that startup is incredibly fast, and printed output can be achieved very quickly, making it possible to use anytime you want. The smart 'WelcomEyes' feature detects an approaching user, and automatically activates the machine from a power-saving state. In addition, it can recover from sleep mode in 30 seconds, and produces the first copy output in 5.4 seconds (in colour priority mode).

Advanced security features

Information is an important asset which should be protected at all cost. The ApeosPro C Series printers incorporate a range of security features to safeguard important information.

- User authentication and permissions
- Protection against unauthorised access to higher level management functions
- Protection against software misuse
- Encryption of documents stored on the printer, and communication data between printer and PC
- Prevention of issues caused by operator errors



Versatile enough to print a wide range of applications

Suitable for a wide variety of paper sizes and thicknesses

The ApeosPro C Series printers are able to print on a wide range of paper sizes and thicknesses, making them suitable for the production of many different types of print.

- Suitable for paper sizes from postcards to long sheets of paper, up to a maximum size of 330 x 1300 mm
- Supports a wide range of thicknesses from 52 gsm lightweight paper to 350 gsm cardstock paper
- Prints beautifully, even on envelopes and embossed paper with an uneven surface

Stable paper feed, whatever the substrate type

The ApeosPro C Series printers are incredibly versatile, thanks to a number of key features:

- A built-in sensor detects any misalignment of paper traveling at high speeds and automatically corrects it
- By adjusting the force applied to the paper according to the paper thickness, a stable paper feed and high registration accuracy are achieved, even with thicker cardstock
- A built-in decurler flattens any possible paper curl, which helps guarantee the stable feed of paper. In addition, as an option, the printers can monitor any paper curl that is present, and make adjustments in real time to further minimise any potential paper feed inconsistencies
- The optimum output conditions for each paper type, such as the transfer conditions, can be registered and stored (maximum: 100) so that high quality output can be achieved efficiently simply by selecting the correct paper type



Versatile post-processing with a range of in-line finishing options

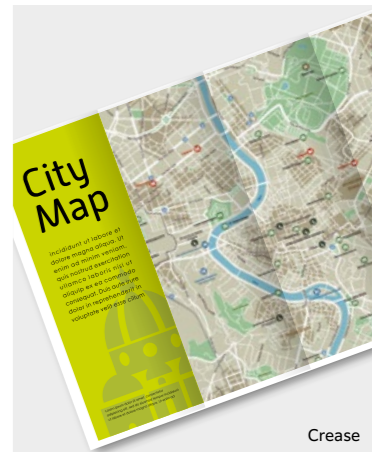
From printing to post-processing, the ApeosPro printers are incredibly versatile, making it possible to produce many different types of finished print:

- Beautifully designed full page photo booklets with full bleed and trim
- High quality booklets with a square back finish for a flat book spine
- Crease* function to create unique accordion folds for promotional materials
- Insert oversized A3 size paper as covers
- Supports frequently used office functions - punch, side stitch, saddle staple, and single fold

* Up to five creases can be made for mountain and valley folds (folding needs to be performed manually).

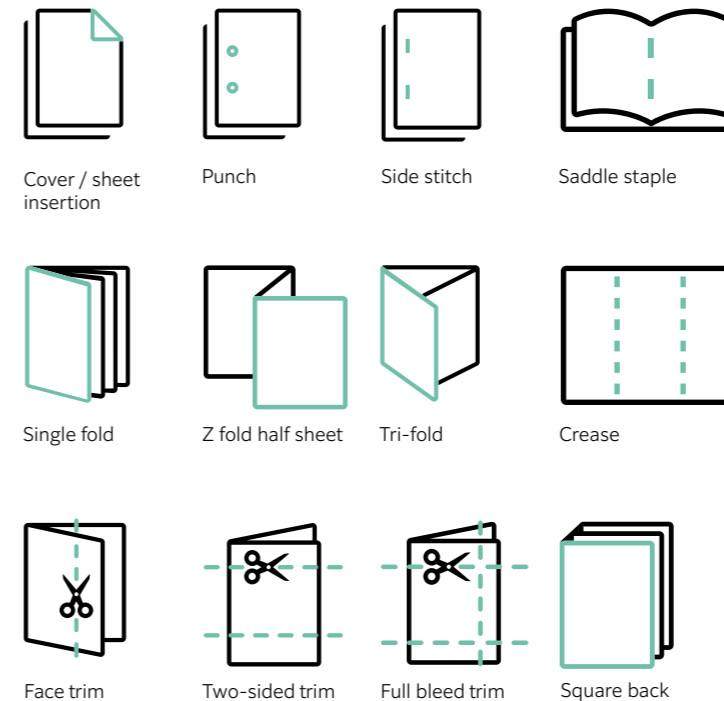


Square Back



Crease




Finishing applications



Note: Full bleed trim is made by two-sided trim and face trim.



Feeding and finishing options

Feeding Options				
Bypass tray (Standard) ^{*1}	Multi-sheet Inserter for banner print ^{*1}	High capacity feeder B1	High capacity feeder B1-S	High capacity feeder C3-DS
52 to 350 gsm 250 sheets	52 to 350 gsm 250 sheets	 52 to 220 gsm 2000 sheets × 1-tray	 52 to 300 gsm 2000 sheets × 1-tray	 52 to 350 gsm 2000 sheets × 2-tray
1300 mm Long paper ^{*2}	1300 mm Long paper ^{*2}	A4, Letter, JIS B5, 184 x 267 mm	Cabinet	Air assist
	660 mm Long paper ^{*3}		Air assist	Multi-feed detection
			Multi-feed detection	

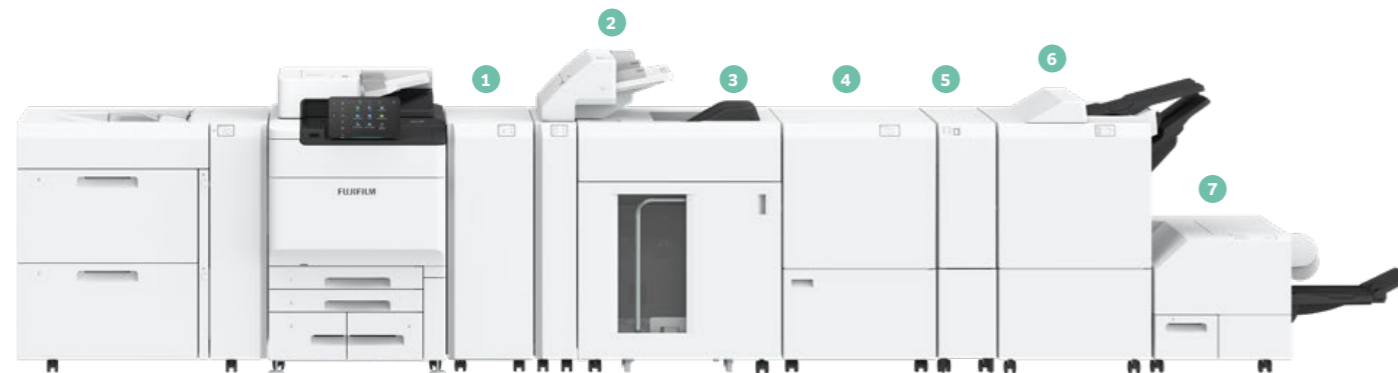
Note: Supported paper weight for long paper is 52 to 220 gsm.

*1: Installed directly to the printer, or installed on the top of High Capacity Feeder C3- DS or B1-S.

*2: When installed directly on the printer unit.

*3: When installed on the top of High Capacity Feeder C3- DS or B1-S.

Output Options



- 2 Interface Decurler Module D1**
Real-time curl correction
(3 levels upward / Off / 3 levels downward)
- 3 Inserter D1**
Cover / Sheet insertion
- 4 High Capacity Stacker A1**
5000-sheet stacking
Stacker cart
Long paper stacking^{*1}
- 5 Crease / Two-sided Trimmer D2**
Two-sided trim / Crease
- 6 Folder Unit CD2**
Z fold half sheet / Tri-fold
- 7 Finisher D6 / Finisher D6 with Booklet Maker**
Sort / stack
Staple (100 sheets)
Punch^{*1}
Saddle staple (30 sheets) / Single fold^{*2}
Long paper stacking^{*1}
- 8 Square Back Trimmer D1**
Face trim / Square back
- 9 Folder Unit CD3**
Z fold half sheet / Tri-fold
- 9 Finisher C4 / Finisher C4 with Booklet Maker**
Sort / stack
Staple (50 sheets)
Punch
Saddle staple (20 sheets) / Single fold^{*3}

Note: Simple catch tray / Offset catch tray / Long catch tray are available if post-processing is not required.

*1: Optional. *2: For Finisher D6 with Booklet Maker. *3 For Finisher-C4 with Booklet Maker.

Key specifications

Basic Specifications / Print Function	C810	C750	C650
Type	Console		
Colour capability	Full colour		
Printing resolution	2400×2400 dpi		
Continuous print speed ^{*1}	A4: 81 ppm A3: 42 ppm	A4: 75 ppm A3: 37 ppm	A4: 65 ppm A3: 34 ppm
Paper size ^{*2}	Tray 1, 2	Standard size: max A3, 11 x 17"; min A5 Custom size: max 330 x 488 mm, min 100 x 148 mm	
	Tray 3, 4	Standard size: max A4, letter, min JIS B5	
	Bypass tray (Tray 5) ^{*3}	Standard size: max A3, 11 x 17"; min A6 Custom size: max 330 x 1300 mm ^{*4} , min 100 x 148 mm	
Paper weight ^{*5}	Tray 1 to 4	52 to 300 gsm	
	Bypass tray (Tray 5) ^{*3}	52 to 350 gsm ^{*6}	
Paper tray capacity ^{*7}	Standard	520 sheets x 2-tray + 840 sheets + 1230 sheets + Bypass tray 250 sheets	
	Optional	Multi-sheet inserter for banner print: 250 sheets High capacity feeder B1-S: 2000 sheets x 1-tray High capacity feeder C3-DS: 2000 sheets x 2-tray	
	Max	7360 sheets [Standard + high capacity feeder C3-DS]	
Output tray capacity ^{*7 *8}	500 sheets		
Power supply	AC220-240 V +/- 10 %, 10 A, 50/60 Hz common		
Maximum power consumption	2.4 kW Sleep mode: 0.5 W, low power mode: 150 W, ready mode: 193 W		
Dimensions ^{*9}	W 780 x D 793 x H 1154 mm		
Weight ^{*9}	246 kg		

*1: When continuously printing a single document on 52 to 128 gsm, uncoated paper. Print speed may be reduced depending on conditions such as output data, use of auto image quality adjustment, is performed, use of mixed paper sizes / types, switching the feeding tray and use of long paper output.

*2: Image loss width: Lead edge 4.0 mm, Trail edge 4.0 mm, Front 3.0 mm, Rear 3.0 mm.

*3: The optional multi sheet inserter for banner print is available for smooth and stable feeding of long paper.

*4: When a standard bypass tray or optional multi sheet inserter for banner print is connected directly to main unit (including when high capacity feeder b1 is connected). Automatic duplex printing support up to 330 x 762 mm.

*5: It is recommended to use our recommended paper. Correct print output may not be possible depending on the requirement.

*6: For banner printing, uncoated paper: 52 to 220 gsm, coated paper: 106 to 220 gsm.

*7: 80 gsm paper.

*8: When the catch tray is installed.

*9: When bypass tray closed. The output option is not connected.



Six stations, ten colours. Unlimited potential.

Transform your business with the award-winning Revoria PC1120 digital press.

Discover unlimited creative potential with 10 colours, including gold, silver, white, pink & clear, easily configurable in six stations. With industry leading print quality, incredible media & finishing versatility, and the largest CMYK colour gamut*, it's no surprise the Revoria PC1120 digital press is taking the market by storm.



for Outstanding High-Volume
CMYK+ Production Device.

*Key findings in the Revoria PC1120 digital press winning the Keypoint Intelligence BLI 2022 PRO Award.







Unlimited creative potential







Fire your imagination

Imagine up to six colour stations online at the same time with speciality toners that can include white, gold, silver, clear, pink, and textured finishes. Then add the possibility of printing one of each both before and after CMYK laydown for an infinite number of creative possibilities. The Revoria Press PC1120 is the only press that can offer such flexibility with the minimum of fuss and downtime. Other platforms require multiple passes through the press and swapping colours between stations to achieve the same output.

Underlay

Silver		Speciality colour
Gold		C M Y K
Pink		Speciality colour
White		Paper

Overlay

Silver	
Gold	
Pink	
White	
Clear	
Textured Paper	

Ultimate flexibility with special colours and finishes under or over the CMYK process, both online and printing in one pass.

Precision toner for clarity and definition

Super EA-Eco toner* also has one of the smallest toner particle sizes in the world. This makes it possible to reproduce small characters and thin lines more sharply, render halftones and gradients with less graininess, and reproduce dot shapes more faithfully, delivering superior print quality.

*All toners except white are EA-Eco toners



In addition to the special colours, the PC1120 enables us to print on substrates of many thicknesses, sizes and types, including plastic – something that we could not achieve with any comparable press on the market. The machine’s media handling is also particularly impressive.”

Tiago Yu, Floricolor

Applications & possibilities

Enhance your productivity, create more value, deliver business growth.

The Revoria Press PC1120 combines capability and simplicity to help you deliver a stunning range of creative print without the inconvenience of workarounds that you could experience with other presses. Combine multiple effects and enhancements on press to achieve more in a single pass.



Taller, wider, longer banner printing

A 1.2 m print capability extends your ability to offer flags and banners, vertical calendars, book covers and wraps, packaging slip covers and more creative gatefold, z-fold and concertina fold pieces.



Highlights are a clear winner

Pick out names and headlines with clear, perfectly registered clear toner to add an extra dimension to personalised print. Creative use of a clear layer adds a touch of luxury when adding subtle patterns and backgrounds too.



Give photos an instant makeover with pink

Skin tones of any hue are smoother with noticeably reduced grain when you add pink toner to the mix. Fujifilm's AI expertise automatically gives perfect results every time. Pink increases the gamut in purple, orange and yellow shades.



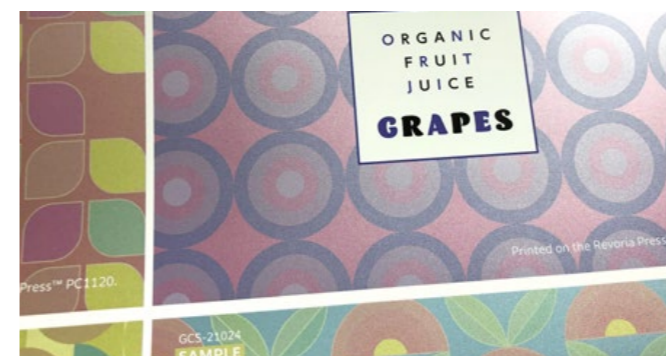
Be brilliant with high opacity white

The Revoria Press PC1120's ability to print high opacity white is essential for window clings, labels and stickers on transparent media and opens up a world of possibilities on darker paper and board.



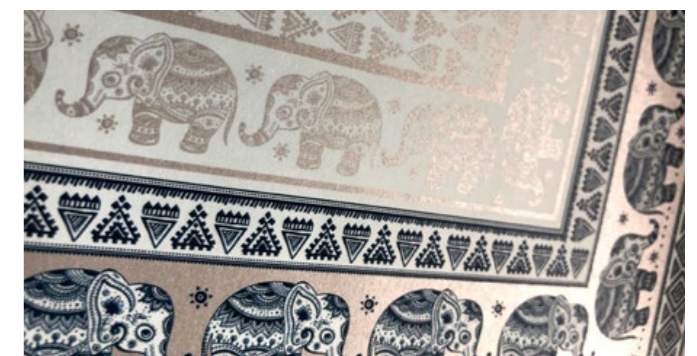
Image enhancement

Photo gifts and photobooks benefit from Fujifilm's image enhancement, making life easier for the operator with no requirement for photographic skills.



Silver and gold add to the mix

Metallic toners are not limited to highlights alone. Mix silver and gold with other colours for unlimited combinations and a multitude of new colours.



Silver and gold with CMYK

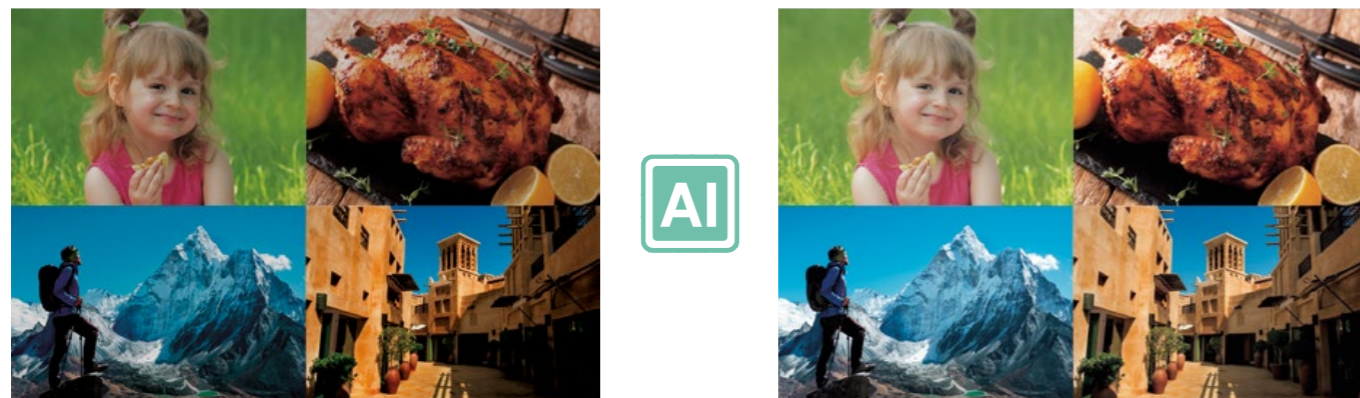
Silver and gold can also be combined with CMYK to create a whole new palette

Revoria Flow PC21

Fujifilm's Revoria Flow PC21 is the 11th generation of Fujifilm's Digital Front End (DFE) combining workflow functionality and Fujifilm's advanced imaging know how in one all-inclusive package.

Unique Artificial Intelligence (AI) based photo quality optimisation

Revoria Flow PC21 allows you to automatically improve and optimise supplied images. The optimisation process uses AI built from Fujifilm's many years of photography and imaging knowledge to identify and adjust specific scenes automatically. Even poor quality images that are too dark, too bright, backlit, or with poor skin or sky colours, can be automatically corrected and printed beautifully.

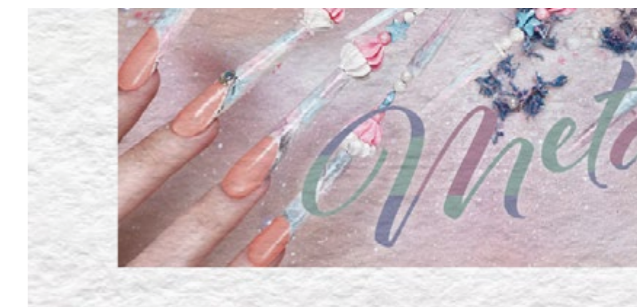


Speciality Colour Quick Viewer

Fujifilm's Speciality Colour Quick Viewer (SCQV) allows the user to preview the effect of special colours as well as different substrates (embossed paper etc.) before printing.



By changing the angle, the glossy appearance of an image produced with Clear toner can be viewed



Paper Characteristics can also be previewed to check the effect, for instance, with embossed stocks

New Pink ICC Profile for improved RGB data reproduction

Revoria Flow PC21 includes an enhanced ICC Profile which together with Pink toner improves the reproduction of data designed in RGB, allowing designers to achieve their desired results easier, without applying separation in Adobe PhotoShop. In addition, with Colour Profile Maker for Display (CPMD) a display ICC profile can be created which corrects the colours displayed on a monitor to match the printed output.



Adobe RGB Data Printed with CMYK only
The orange tints appear dull



CMYK+Pink
The orange is more vivid

Fiery PC11

The Fiery PC11 software makes it easy to take advantage of the 6 colour capability of the Revoria Press PC1120, allowing users to create stunning metallics and other premium print effects for the production of higher margin print jobs.

Add value to your prints

The Fiery PC11 software makes it easy to take advantage of the power of the PC1120's 6 colour capability to deliver premium print effects. The Fiery Smart Estimator also estimates speciality toner costs before having to print a single page.

Automatic PDF enhancement

Fiery JobExpert™ is a new technology that analyses incoming PDF files and dynamically chooses the optimal print settings to achieve the highest quality while optimising processing time.

Take control of your colour management

Fiery Colour Profiler Suite (CPS) is designed to help maintain colour quality. Its intuitive user interface allows any operator to successfully manage the colour so that a specific colour standard can be met and maintained over time. CPS integrates with the DFE's CMM tools.

Improve your performance

Fiery HyperRIP™ helps dramatically improve performance by simultaneously processing print jobs by optimising the use of the Fiery server's interpreter and rendering engines across multiple processor cores. Two HyperRIP™ modes (for single 1 and multiple jobs) can increase RIP speeds, help achieve uninterrupted production and avoid lost production time.

Variable Data printing was never so easy

Fiery FreeForm™ Create allows users to quickly and simply personalize existing files through an intuitive interface – with no additional VDP software needed- and add variable elements such as text, images, and barcodes with just a few clicks.

Manage all data streams

Fiery IPDS is a high performance, IS/3 compliant native IPDS option for bi-directional communication and host acknowledgements. This solution enables print service providers to manage all data streams (IPDS, PDF, PostScript, and VDP formats such as PDF/VT and PPML) from one single interface.

Key Features

- Unrivalled productivity
- Built-in print intelligence
- Comprehensive colour management
- Toner use estimation
- Variable data printing
- Manage all data streams

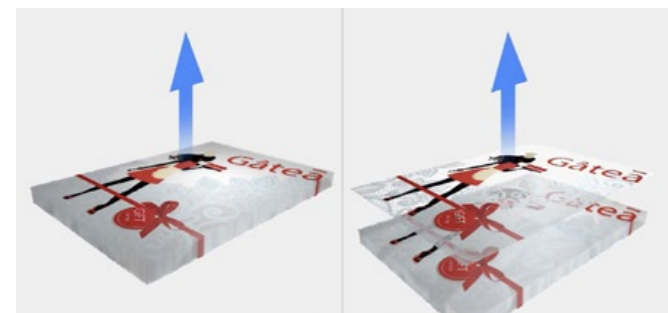


Designed to help
maintain colour
quality



Flexibility for whatever job comes next

The Revoria PC1120 can be configured with an extensive and unique combination of feeding, folding, trimming and booklet making options.



Static eliminator: OFF

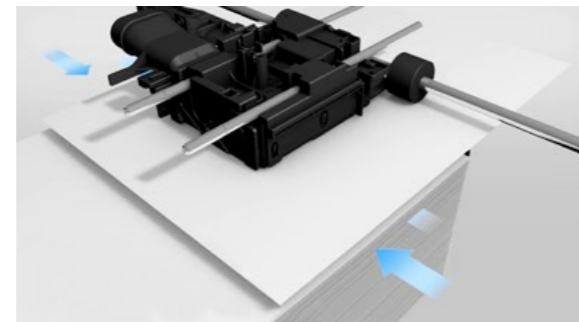
Static eliminator: ON

New Static Eliminator module keeps synthetic media moving

Adding white to the Revoria Press PC1120 opens up the potential to print on films for stickers, labels, window graphics and very light stocks. Without the efficient removal of static build up after the fusing process, synthetic sheets can stick together, making them difficult to handle. The new Static Eliminator module makes finishing easier and more reliable, using a two stage process that can be adjusted precisely to suit the media, including some papers, that would otherwise be hard to process.

New Air Suction Feeder handles banners too

Accurate and reliable paper feeding of a range of paper types and even difficult substrates is a must for an efficient print on demand environment. The Revoria Press PC1120 Air Suction Feeder is an offset-like feeding mechanism that adds a new level of control for light weight to heavy weight paper, small or large, even banner sized sheets. The shuttle head transport draws up the paper and separates sheets that would normally be prone to sticking.



Side blower: air is blown from both sides to separate the paper

Revoria PC1120 Full Configuration



Full Configuration: W 10462 x D 1104 x H 1786 mm

Feeding options



High Capacity Feeder C3-DS + Multi Sheet Inserter*1
 • Air assist • Multi-feed detection
 2000 sheets x 2 trays + 250 sheets
 Maximum SRA3, 330 x 488 mm



2nd High Capacity Feeder C1-DS + High Capacity Feeder C3-DS + Multi Sheet Inserter*1
 • Air assist • Multi-feed detection
 2000 sheets x 4 trays + 250 sheets
 Maximum SRA3, 330 x 488 mm



Air Suction Feeder C1-DS*2
 • Air suction
 • Multi-feed detection
 2100 sheets x 2 trays + 250 sheets
 Maximum SRA3, 330 x 488 mm



Chained Air Suction Feeder C1-DS-L*2 + Chained Air Suction Feeder C1-DS-R
 • Air suction • Multi-feed detection
 2100 sheets x 2 trays + 250 sheets
 Maximum SRA3, 330 x 488 mm



Air Suction Feeder C1-DSXL*2 + Banner Unit for Air Suction Feeder C1-DSXL
 • Air suction • Multi-feed detection
 • Long sheets feeding
 800 sheets + 2100 sheets + 250 sheets
 Maximum 330 x 1200 mm (Upper tray)



Chained Air Suction Feeder C1-DSXL-L*2 + Chained Air Suction Feeder C1-DS-R + Banner Unit for Air Suction Feeder C1-DSXL
 • Air suction • Multi-feed detection
 • Long sheets feeding
 800 sheets + 2100 sheets x 3 trays + 250 sheets
 Maximum 330 x 1200 mm (Upper tray)

Output options

1 Interface Decurler Module D1
 • Real-time paper curl correction

2 Inserter D1
 • Cover / sheet insertion

3 Static Eliminator D1
 • Eliminate static electricity

4 High Capacity Stacker A1
 • 5000-sheet offset-stacking
 • Single and dual combinations
 • Stacker cart
 • Long sheets output

5 Crease/Two-sided Trimmer D2
 • Two-sided trim • Crease

6 Folder Unit CD2
 • Z fold half sheet • Tri-fold

7 Finisher D6
 • Sort / Stack • Stapling
 • Hole punch*3
 • Long sheets output

Finisher D6 with Booklet Maker
 • Sort / Stack • Stapling
 • Hole punch*3 • Single fold
 • Saddle staple
 • Long sheets output

8 Square Back Fold Trimmer D1
 • Face trim • Square back

Offset Catch Tray
 Offset stack

Long Catch Tray
 Long sheets stacking

Key specifications

Productivity	120 ppm even when printing in six colours
Colours	Four colour CMYK plus two optional colour stations
Resolution	2400 x 2400 dpi
Media handling	From 52 gsm lightweight to 400 gsm heavyweight board Minimum size 98 x 148 mm. Maximum size 330 x 1200 mm
Print Servers	Revoria Flow PC21 / Fiery DFE

*1: Multi Sheet Inserter or Multi Sheet Inserter for Banner Print is required

*2: Multi Sheet Inserter for Banner Print is equipped as standard

*3: Optional

World class, world first



Revoria Press GC12500

The Revoria Press GC12500 is the world's first B2+ sized digital press using dry toner technology. It's the result of Fujifilm's many years of digital print and toner technology expertise.

Running at 1250 duplex sheets per hour, the Revoria Press GC12500 has the largest sheet size in its class at 750 x 662 mm and a segment leading resolution of 2400 x 2400 dpi. A combination of unique hardware and software technologies ensure consistent high quality and reliability.



Maximum reliability and productivity

The Revoria Press GC12500 is a highly productive press, thanks to a number of unique features.

Largest sheet size in its class

The B2 XL sheet size of 750 x 662 mm is 25% larger than other leading B2 digital presses. This means it is possible to deliver six A4 pages per sheet, including bleed, trim and production data. There is plenty of room for things like a complete 12 page A4 landscape brochure, 2-up tri-fold brochures or 24 A5 postcards on a single sheet. Step up more cards, labels, tickets, swing tags and packaging pieces.

High press uptime

Fujifilm's heritage, and over 60 years of experience in toner development, have been brought together in the Revoria Press GC12500. Familiar technologies have been enhanced and performance optimised to deliver reliable, high quality production using the largest sheet size available on a toner press.

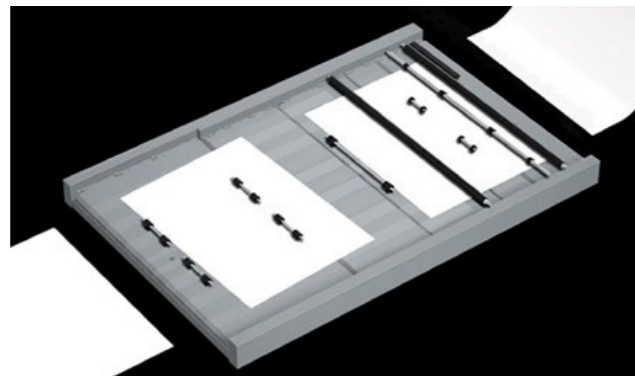
Dry toner digital presses also feature higher reliability and press uptime compared to others on the market. This is due to the simpler setup and maintenance routines required to operate the press, and advanced features that maximise uptime.

Consistent high quality

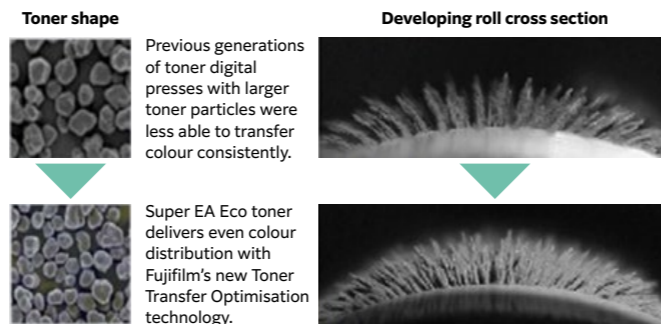
In-built advanced technologies deliver reliable high quality, job after job.

Accurate registration

The *Registration Control Gate* corrects paper skew and presents a squared-up sheet to the gripper transport system to accurately carry each sheet through the imaging process. After imaging the low stress fusing process (see right) ensures dimensional stability of substrates and ensures that even the largest duplex sheets are backed up within a ± 0.5 mm tolerance.



Registration Control Gate
A sensor detects misalignment, and the registration roll corrects position



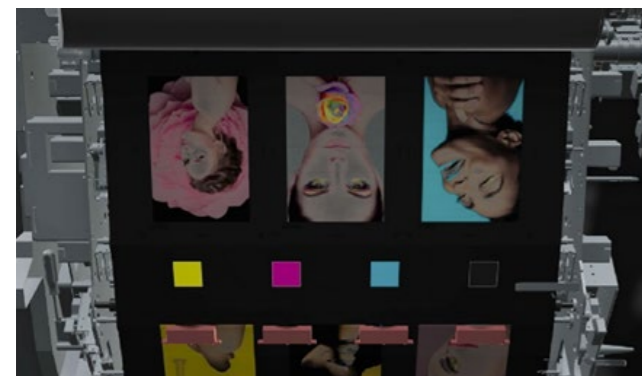
Toner shape
Previous generations of toner digital presses with larger toner particles were less able to transfer colour consistently.

Developing roll cross section

Super EA Eco toner delivers even colour distribution with Fujifilm's new Toner Transfer Optimisation technology.

Consistent colour reproduction

The *IQ Auto Correction Sensor* detects and corrects any inconsistencies in colour registration, tone or density in real time. Colour patches printed between the images on the transfer belt are continuously read by sensors, and with the data fed back to generate live corrections throughout the run.



IQ Auto Correction Sensor
Colour registration, gradation and density are automatically measured and corrected in real time during printing



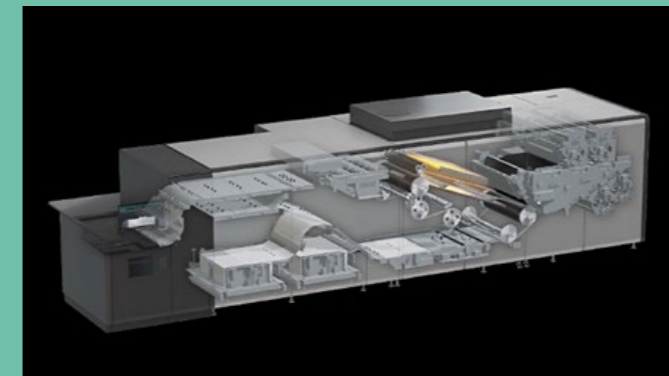
FIR low stress fuser
1 Far-infrared rays heating 2 Low pressure fuser roller

Eliminating paper wrinkles

The smooth application of toner is completed with a unique, two step, low stress fusing process that eliminates wrinkles, and allows paper weights down to 64g to be used:

1. Step one is a contactless process where toner is pre-treated with infrared light and air blowers at low temperature.
2. The low pressure fuser roller system in step two combines lower temperatures and a 70% reduction in pressure on the fuser roller compared with conventional systems.

Reduced heat and pressure in the fusing process means substrates have better dimensional stability and wrinkles are eliminated altogether.



Simplex printing
Straight paper path realises stable running and reduces stress on the paper

Straight paper path

Reliable paper handling, from the lightest paper to the heaviest board, is helped by a flat and straight paper path, with additional gripper transports designed to minimise stress on the paper, ensure accuracy and deliver a stack that is ready to finish.

High quality resolution

The RIP resolution of 1200 dpi \times 10 bit, with a true output resolution of 2400 dpi, delivers a quality approaching offset. Super EA eco toner, featuring the world's smallest toner particle size in its class, delivers a delicate tonal range for crisp text rendering and subtle tones.

AI workflow

A newly developed AI workflow automatically identifies all photos in the printing data stream, distinguishing indoor/outdoor scenes, people, landscapes etc. The AI can then perform the specific image correction needed for each image. The result is a beautiful printout every time.



AI - Auto determine the scene for each photographic image



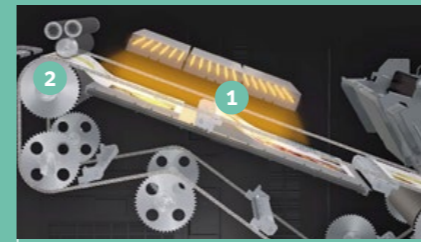
Original images
Corrected images

- | | | | |
|---------------------|----------------------|----------------------|------------------------|
| Portrait | Indoor | Landscape | Outdoor |
| • Correct skin tone | • Brightness | • Correct sky colour | • Backlit compensation |
| • Brightness | • Texture correction | • Noise reduction | • Sharpness |

World leading technology



The unique design of the Revoria Press GC12500 delivers output into the large capacity stacker positioned right next to the feed trays. Everything an operator needs: control panel, paper feed and delivery and sample tray are within arm's reach for maximum efficiency.



Two step, Low Stress Fusing eliminates wrinkles. Reduced heat and pressure in the fusing process means substrates have better dimensional stability and wrinkles are eliminated altogether.

Low stress fusing process

- 1 Infrared light treatment
- 2 Low pressure fuser roller

New Toner Transfer Optimisation Technology takes advantage of Super EA eco toner's world's smallest toner particle size to create a 'magnetic brush', with greater height and density, to deliver even colour over larger areas than previously possible on a toner press.

Toner shape

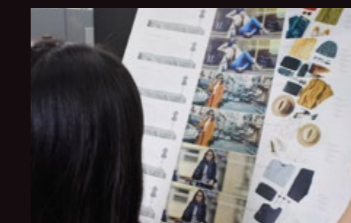
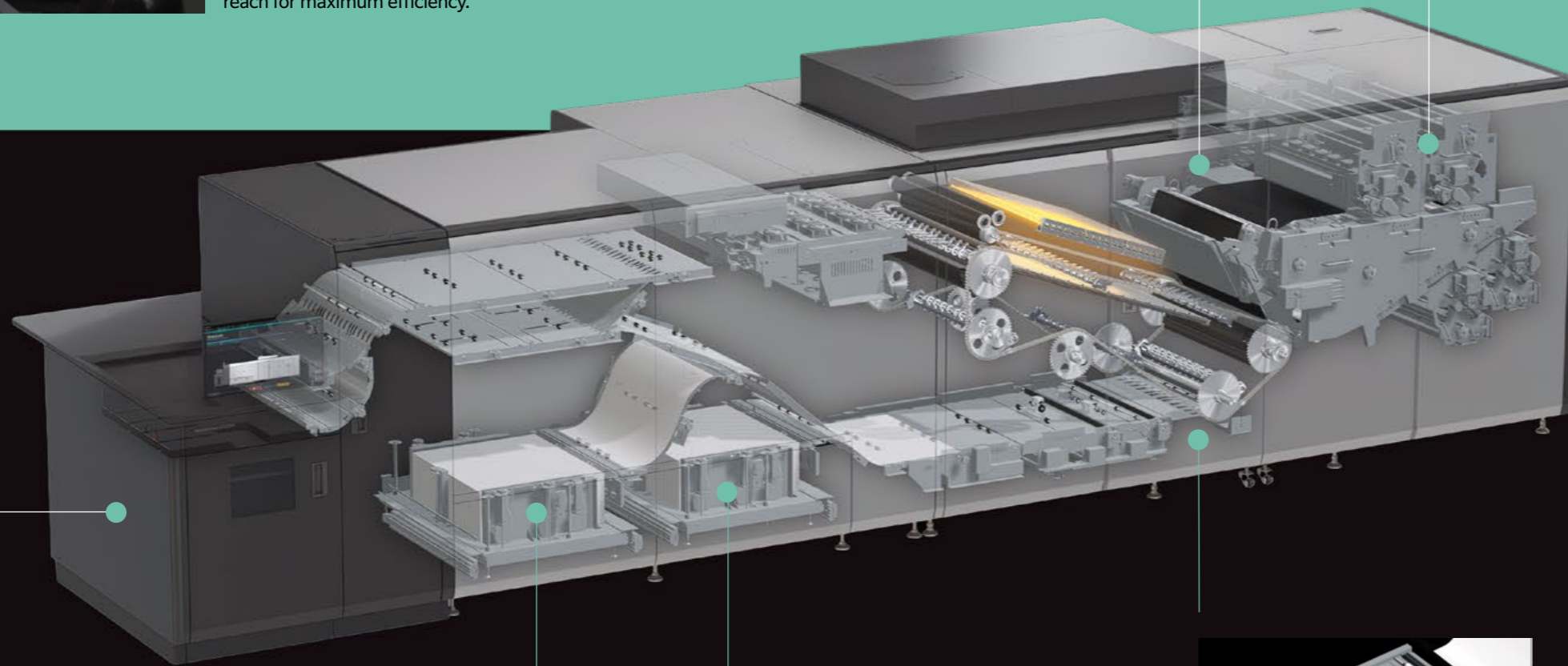
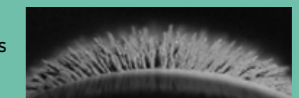


Regular large toner particles are difficult to distribute.



Super EA eco toner achieves dense, even colour.

Developing roll cross section

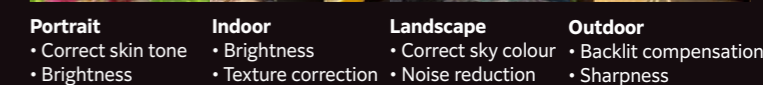


B2XL size sheets at 750x662 mm are 25% larger than the leading B2 size digital press (750 x 530 mm). Delivering more sheet, for examples six A4 pages, including all the bleed, trim and production data you need.

Original images



Corrected images



Portrait
• Correct skin tone
• Brightness

Indoor
• Brightness
• Texture correction

Landscape
• Correct sky colour
• Noise reduction

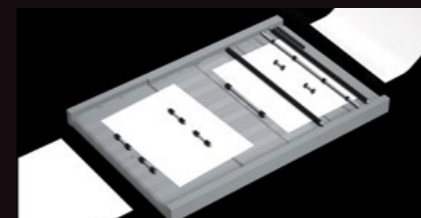
Outdoor
• Backlit compensation
• Sharpness



AI - Auto determine the scene for each photographic image



Managing paper supply is easy with two drawers that can be freely adjusted to any measure between maximum and minimum sizes. A familiar media library system guides operators through loading and reloading media into the Air Suction Assisted Feeders.



The Registration Control Gate corrects paper skew and presents a squared sheet to the Gripper Transport System to accurately carry each sheet through the imaging process.

Operation made simple

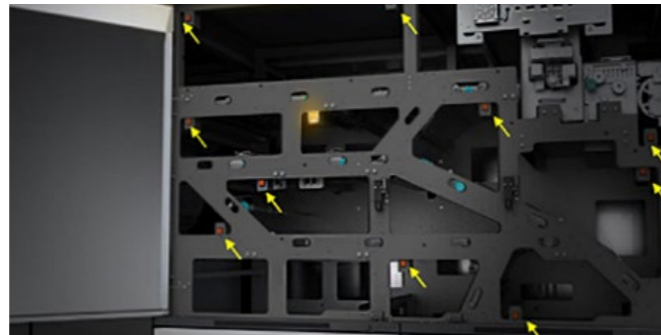
The Revoria Press GC12500 has been designed to be very easy and familiar to use, making it a powerful option when upgrading from an SRA3 press – with low operator skill levels required.

Easy to use

Anyone familiar with the operation of a smaller toner press will immediately feel at home and ready for production with the Revoria Press GC12500. The general principles of the imaging system remain the same with operators guided through any interventions, calibration or maintenance procedures with simple guides on the control panel and notification lights throughout the machine.

Media management

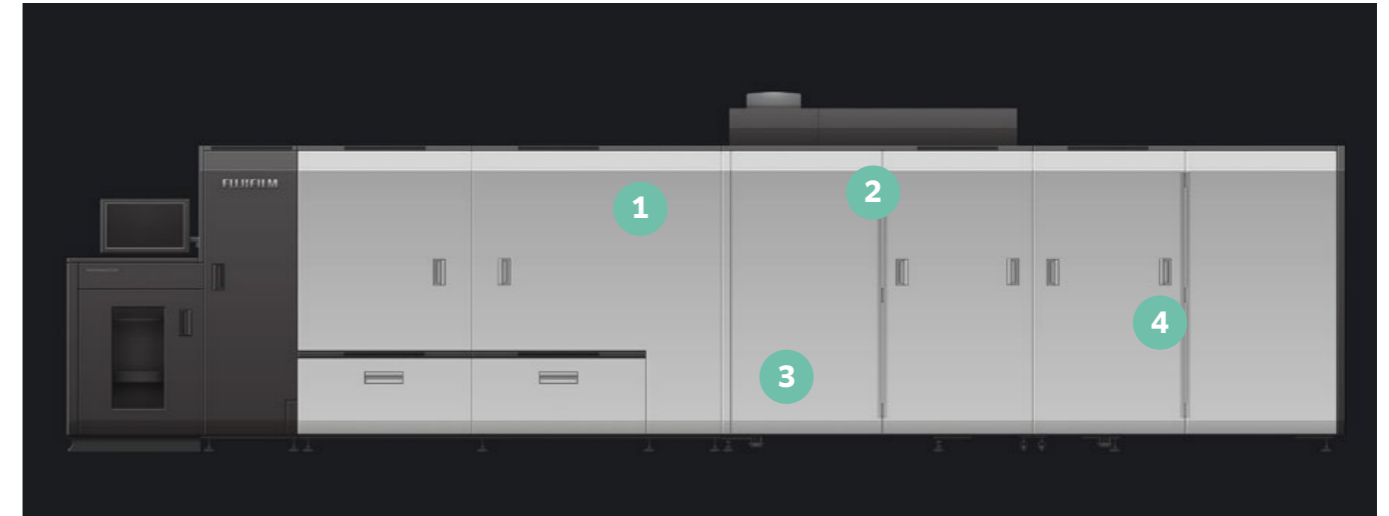
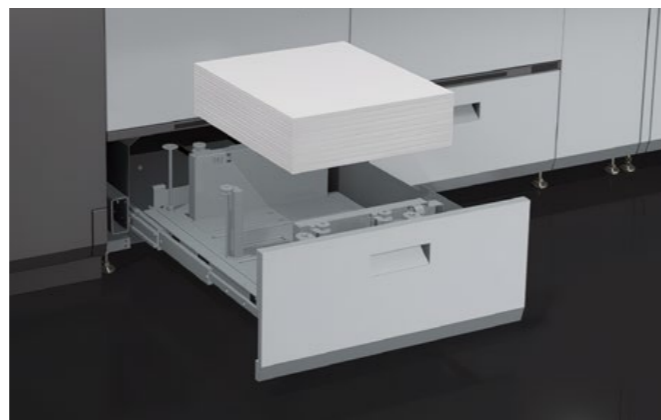
Managing the paper supply is easy with two drawers that can be freely adjusted to any measure between maximum and minimum sizes. A familiar media library system guides operators through the process of loading and reloading media.



Navigation LED
LED lights guide the operator to areas of the press that need attention.



Printer panel
The user-friendly interface makes it easy to clear issues and resume production efficiently.



1 Cooling 2 Fusing 3 Registration alignment 4 Imaging process



Output accessibility

The unique design of the Revoria Press GC12500 delivers output into the large capacity stacker positioned right next to the feed trays. Everything an operator needs – control panel, paper feed, delivery and sample trays – are within arm's reach for maximum production efficiency.

Smooth running

Dual oversize Super EA Eco toner cartridges mean they can be easily and cleanly loaded while the press is running, optimising uptime.



Redefining

Take advantage of changing customer demands and new opportunities with the unrivalled flexibility of the Revoria GC12500.

Media flexibility

In addition to the largest sheet size on a B2 sheet-fed press, the Revoria Press GC12500 is also the most capable, feeding and duplexing a range of substrates with the widest spread of weights and thickness in its class:

- Feed any sheet size between the minimum of 636 x 469 mm to the maximum of 750 x 662 mm. There are no limits.
- Go beyond paper and board to print on some PET and other synthetic media without the need for special coatings or pre-treatment.
- Whether it's coated or uncoated, simplex or duplex, the printing specifications are the same: from lightweight papers at 64 gsm/0.06 mm to heavy card or carton stock at 450 gsm/0.6 mm.

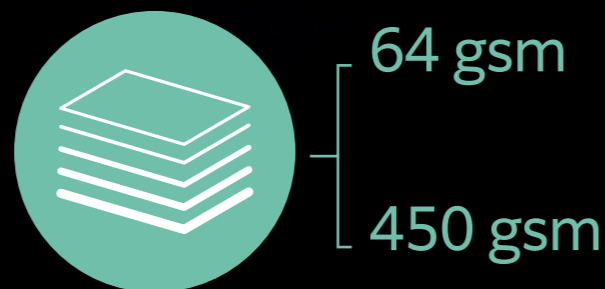
Workflow capability

As you would expect with a modern digital front end, Revoria Flow manages image quality, job queues and colour. In addition, the following features that appear as options in other workflows, are included as standard:

- Preflight tools
- Raster image viewer
- Imposition
- Smart job scheduling

Diverse application capability

Leaflets, tickets, postcards, mailers, brochures, books, point of sale, packaging – all become more productive and cost effective with the Revoria Press GC12500. A sheet size of 25% greater than other presses can mean up to 50% more items on a sheet.



flexibility

Sheet size	Print media	Sheet thickness
<ul style="list-style-type: none"> • 636 x 469 mm minimum • 750 x 662 mm maximum • Anywhere in between 	<ul style="list-style-type: none"> • Lightweight papers • Heavy card • Carton stock • Some PET and other synthetic media (no need for special coatings or pre-treatment) 	<ul style="list-style-type: none"> • Coated or uncoated • 64 gsm/0.06 mm minimum • 450 gsm/0.6 mm maximum

Fit for your business

If you're considering a new press, here are some key scenarios where the Revoria GC12500 could be a perfect fit for your business:

If you are upgrading from an SRA3 toner press

The Revoria Press GC12500 delivers a larger sheet size with almost 3.5 times the area and more than double the productivity of most production grade toner presses.

If you want to transfer more work from offset to digital

Fujifilm is able to offer two industry-leading choices in this scenario. The Jet Press 750S High Speed Model would most often be the press of choice here, particularly where ultra-high quality and productivity are required.

However, the Revoria Press GC12500 would be ideal for those where the highest possible quality was not so important, but where the simplicity of operation and the benefits of fast-turnaround on-demand auto duplexing were an advantage.

If you want to upgrade from another B2 digital press

For those seeking greater uptime and reliability, along with potentially higher quality and productivity, from a simpler system that is much easier to operate, the Revoria Press GC12500 is ideal. It also has none of the environmental concerns common with printed sheets that cannot be deinked.

Key specifications

Item	Description	
Technology	Dry toner	
Colour capability	CMYK	
Printing resolution	2400 x 2400 dpi	
Halftone (printable colours)	256 colour graduation for each colour (16,700,000 colours)	
Warm-up time	Maximum 20 minutes (at room temperature lower than 23°C and 45% humidity)	
Maximum productivity	2500 sheets/hour (single sided)	
Maximum media size	Length	469 to 662 mm
	Width	635 to 750 mm
Media weight	64 to 450 g/m ²	
Tray capacity	2100 sheets x 2 Trays (Maximum capacity: 4200 sheets)	
Capacity of the output tray	Output tray	100 sheets
	Stacker tray	6500 sheets
Power supply	Three-phase AC200 V±10%, 200 A, 2-system, 50/60 Hz shared	
Dimensions	Width 7874 mm x Depth 3475 mm x Height 2135 mm	
Installation space	Width 11874 mm x Depth 7475 mm	
Weight	9000 kg	

A new standard in print

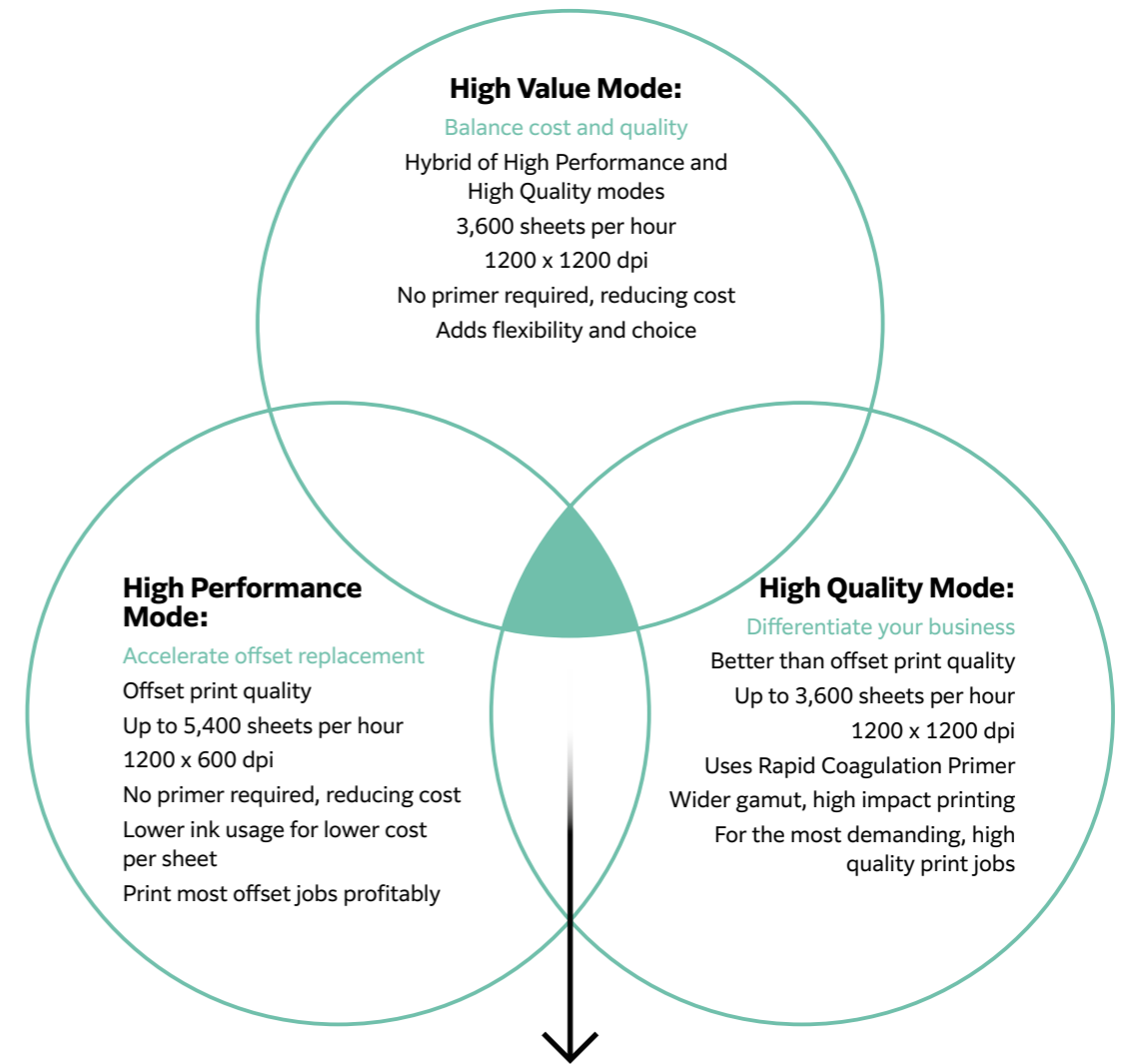
Jet Press 750S High Speed Model: Transforming short run print

The Jet Press 720S was the first B2 inkjet press to gain a foothold in this market, and was ahead of the game in terms of productivity and quality. And with over 300 Jet Press installations worldwide, more and more print buyers are now recognising what you can achieve with the inkjet technologies built into this groundbreaking press. But with the steady increase in the number of short run jobs, and the introduction of the Jet Press 750S High Speed Model, capable of printing up to 5,400 sheets per hour, more and more jobs are going to fit the sweet spot of this industry-leading press.



Jet Press 750S High Speed Model

Three presses in one



High Value Mode:

Balance cost and quality

- Hybrid of High Performance and High Quality modes
- 3,600 sheets per hour
- 1200 x 1200 dpi
- No primer required, reducing cost
- Adds flexibility and choice

High Performance Mode:

Accelerate offset replacement

- Offset print quality
- Up to 5,400 sheets per hour
- 1200 x 600 dpi
- No primer required, reducing cost
- Lower ink usage for lower cost per sheet
- Print most offset jobs profitably

High Quality Mode:

Differentiate your business

- Better than offset print quality
- Up to 3,600 sheets per hour
- 1200 x 1200 dpi
- Uses Rapid Coagulation Primer
- Wider gamut, high impact printing
- For the most demanding, high quality print jobs

Characteristics common to all modes:

- Accurate sheet-to-sheet registration
- High up time and reliability
- No pre-press or make readies
- Variable data and personalisation

In High Performance mode

5,400 sheet per hour B2 digital press that delivers offset quality and press reliability but with lower ink consumption and therefore cost per sheet. This doubles the number of profitable digital print jobs you can print, simplifying and speeding up your production.

In High Value mode

Allows the jet press to operate at 3,600 sheets per hour and 1200 x 1200 dpi, delivering the same higher resolution print and speed as High Quality mode, but without the need for a primer. This results in excellent quality and the ability to resolve fine text and graphics, with lower sheet costs and only a slight reduction in colour gamut and subtlety of images.

In High Quality mode

3,600 sheet per hour press that delivers print quality better and more consistent than offset, with a wider high-impact colour gamut. This allows you to compete for print jobs of the absolute highest quality, setting you apart from your competition.

A truly versatile press

Jet Press 750S High Speed Model

The Jet Press 750S High Speed Model is able to print on a wide range of substrates. As well as coated and uncoated offset paper, the press can print on carton board, photo canvas and some plastic materials. As a result, the opportunity to use the Jet Press to diversify and open up new markets makes it an exciting proposition.

Print on standard coated & uncoated offset paper

The Jet Press 750S High Speed Model is unlike many other digital presses in that it can use an assortment of standard offset paper. This means, for example, that a printer can take advantage of current paper stocks, simplifying inventory and reducing costs.

Printing on canvas and plastic

Thanks to improvements in the vacuum drum and ink chemistry, the Jet Press 750S High Speed Model can be used to print on canvas and some plastic substrates. This adds another versatile option that allows owners of the Jet Press to explore new applications and revenue streams.

Suitable for offset post-press enhancements

Jet Press printed sheets have been tested and found to be compatible with a wide range of analogue and digital coating, foiling, lamination and cutting solutions. An automatic bridge is also available to connect to online coating solutions.

Full speed double-sided variable data handling

The Jet Press 750S High Speed Model can handle variable data, with the press using a barcode system to guarantee front and back page matching. The barcode is printed in the non-image area of every sheet immediately after the paper leaves the input sheet stacker. The press reads the barcode on every sheet as it leaves the stacker and downloads the correct page information before it prints the second side.

The benefits of this capability extend beyond the obvious application of variable data personalisation. Jobs can also be printed 'collated' in page order to simplify and speed up the finishing process or improve the logistics for job distribution, making the production of versioned print jobs simple and straightforward.

Perfect for packaging

Delivering exceptionally consistent, high quality output ready for finishing on carton board or synthetic media, the Jet Press 750S High Speed Model is ideal for printing packaging.

As an option, the Jet Press can be modified to accommodate heavier weight folding carton stock from 0.2 – 0.6 mm in thickness. This makes it ideal to print short run packaging applications.

Adding the Jet Press 750S High Capacity option means an additional 300 mm of stock can be fed and delivered by the press without intervention. This is equivalent to an extra 1000 sheets of 300µm folding carton board compared to the standard Jet Press 750S, expanding the capacity for non-stop running for folding carton converters by an extra hour, or 37%.

Ultra-high quality

The Jet Press 750S High Speed Model takes the print quality produced by a digital printing system to new heights thanks to a combination of fundamental Fujifilm technologies. The end result is stunning, vibrant colours, superb skin tones, extraordinary fine text and line detail, and incredible flat tints, all produced on standard coated or uncoated offset paper.

Colour management, workflow and screening

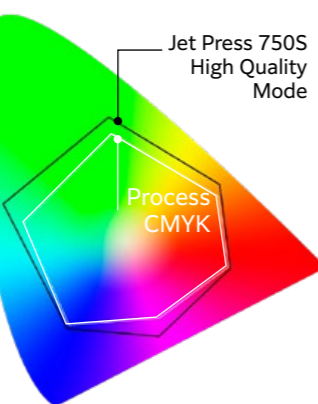
VIVIDIA CMYK inks have been painstakingly developed to match the Samba printheads and achieve the best consistent performance on the widest range of standard offset papers with or without primer. Ink grains as small as 0.5 trillionths of a litre, invisible to the naked eye, are discharged at high speed to deliver breathtaking print quality.

Real-time closed loop quality control

Quality is enhanced through the use of a CCD sensor that makes any necessary alterations to the way the ink is discharged from the printhead in real time. The In-Line Sensor (ILS) system detects any nozzle and ink deposition inconsistencies, modifying the parameters in real time to correct deviations from the norm.

Latest generation samba printheads

Samba printheads lead the industry in terms of performance. Fabricated using precision MEMS* technology, they can achieve 1,200 x 1,200 dpi, and thanks to VersaDrop technology, the ink droplets can be reproduced in four levels of greyscale, with the effective resolution therefore much higher.



Larger gamut, ultra consistent water-based inks

In addition, one of the key advantages of the Jet Press running in High Quality mode is its enhanced colour gamut that can produce more vibrant print with just four CMYK inks, and reproduce more spot colours.

Registration accuracy better than offset

Quality is nothing without consistency. Because the Jet Press makes use of an offset paper feed mechanism, which adjusts automatically when the paper size is selected, registration accuracy and repeatability from sheet-to-sheet are superb.

Bleed-free ink coagulation technology

The natural tendency of an ink droplet is to spread when it hits the paper. In High Quality mode, the Jet Press applies a Rapid Coagulation Primer (RCP) prior to ink deposition to ensure uniform ink formation whatever the paper type. The primer incorporates technologies which prevent dot gain – a critical component in the formation of an ultra-high quality image.

A wide colour gamut enables vibrant images to be reproduced and allows colour matching to the ISO 12647-2 standard, critical for mixed offset and digital production environments.

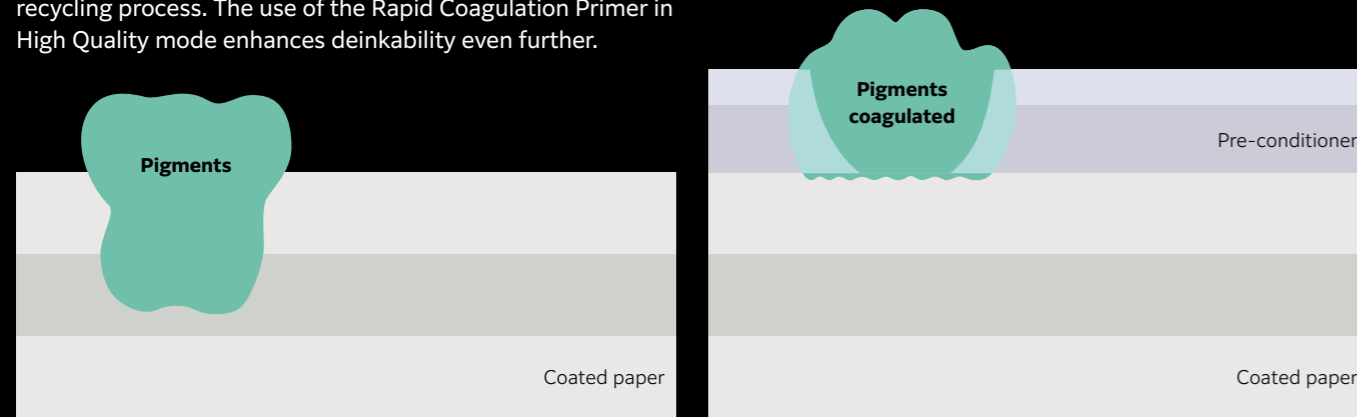


*Micro Electro Mechanical System

Recyclability of Jet Press print

Sheets can be easily recycled

With some other water-based inks, ink pigments can sink into the structure of the paper, making them much more difficult to deink. The VIVIDIA HS ink pigments used on the Jet Press do not sink into the structure of the paper, making them much easier to remove during the deinking and recycling process. The use of the Rapid Coagulation Primer in High Quality mode enhances deinkability even further.



Other water based inks

Score	Evaluation of deinkability
71 to 100 points	Good deinkability
51 to 70 points	Fair deinkability
0 to 50 points	Poor deinkability
Negative: failed to meet at least one threshold	Not suitable for deinking

Jet Press in High Quality mode

The results of trials carried out by the International Association of the Deinking Industry (INGEDE) on sheets printed by the Jet Press 750S High Speed Model on coated paper indicate levels of deinking on a par with offset inks, with up to 100 out of a possible 100 points in High Quality mode and 96 out of 100 in High Performance mode. These results represent a milestone in the ability to remove the ink from an inkjet printed sheet.

Technical specifications

Jet Press 750S High Speed Model	
Printing	
Printheads	Next generation Samba printheads
Colours	4 colour, CMYK, extended gamut (High Quality mode)
Resolution	1200 x 1200 dpi (High Quality and High Value modes) or 1,200 x 600 dpi (High Performance mode), VersaDrop technology with 4 level greyscale
Productivity	Up to 3,600 B2 sheets per hour (High Quality and High Value modes) or 5,400 B2 sheets per hour (High Performance mode), static and variable jobs
Workflow	XMF Workflow V6.x or later, or a third party workflow with XMF Processor
Variable data capability	Yes, thanks to barcode system and high capacity data transfer
Substrate	
Maximum sheet size	750 mm x 585 mm
Printable area	733 mm x 567 mm
Thickness	0.09 mm - 0.34 mm When configured for heavier, folding carton stocks: 0.2 mm - 0.6 mm
Type	Standard offset coated and uncoated paper Canvas Heavier duty folding carton board Some plastics
Physical	
Dimensions	7.35 m (L) x 2.65 m (W) x 2.05 m (H)* *The height when cover is open is 2,293 mm
Space requirements	10 m x 5.2 m x 3 m including space for ancillary equipment
Required weight bearing load	More than 2.2 tonnes/square metre
Power requirements	330A/ 200-230VAC
Operating environment	20 - 28°C, 40 - 60% RH
Options	
Full sheet scanning	
Remote tablet operation	
Heavier duty stock capability (0.2 - 0.6mm)	
Paper conditioning unit	
Inks, Primer and Wash	
Inks, Primer, Wash	VIVIDIA HS CMYK inks (High Performance Model) VIVIDIA CMYK inks (Standard Model) Rapid Coagulation Primer (RCP) Nozzle cleaning wash
Shelf life	2 years under recommended warehouse conditions
Packaging	Inks, RCP and Wash in 10 litre packs

Imprinting solutions

Fujifilm's imprinting solutions allow digital inkjet printing to be integrated directly onto existing analogue production lines for a broad range of printing and industrial applications.

Industry-leading technologies

Fujifilm is unique in that it is a company that has developed its own industry leading core inkjet technologies, and added the ability to integrate these technologies into existing processes. This means that Fujifilm's printhead designers, ink technologists and integration specialists work together to ensure optimum system performance and reliability for the required application, and once built, are able to take ownership of the complete solution.

Fujifilm can therefore provide all components necessary to successfully integrate a digital solution into an existing production line:

- Printhead and printbar design
- Inks & substrates
- Electronics and software
- Print systems
- Transport systems (web and sheet)

What also sets Fujifilm apart are the industry leading printheads and ink at the heart of the company's imprinting solutions. Samba printheads are found in many of the industry's leading digital printing systems, as they combine the very highest quality, productivity and reliability, with the flexibility to be used with a variety of different inks and fluids. Fujifilm has now built these printheads into a number of scalable printbar configurations which, when combined with UV or aqueous ink technologies, result in best-in-class imprinting solutions.

Scalable architecture design

Easily scalable

From a single printhead configuration to complex multi-channel configurations

Fujifilm's Samba technology platform is based on a scalable architecture design, so the print width can be configured to meet the needs of a particular application.

Due to the trapezoidal design of Samba printheads, scaling the printbar width is achieved with no compromise to quality, and results in a very efficient system design. In addition, the scalable system architecture means integrated components, electronic systems and software can all be scaled to create a system for the print width and colour channels required.

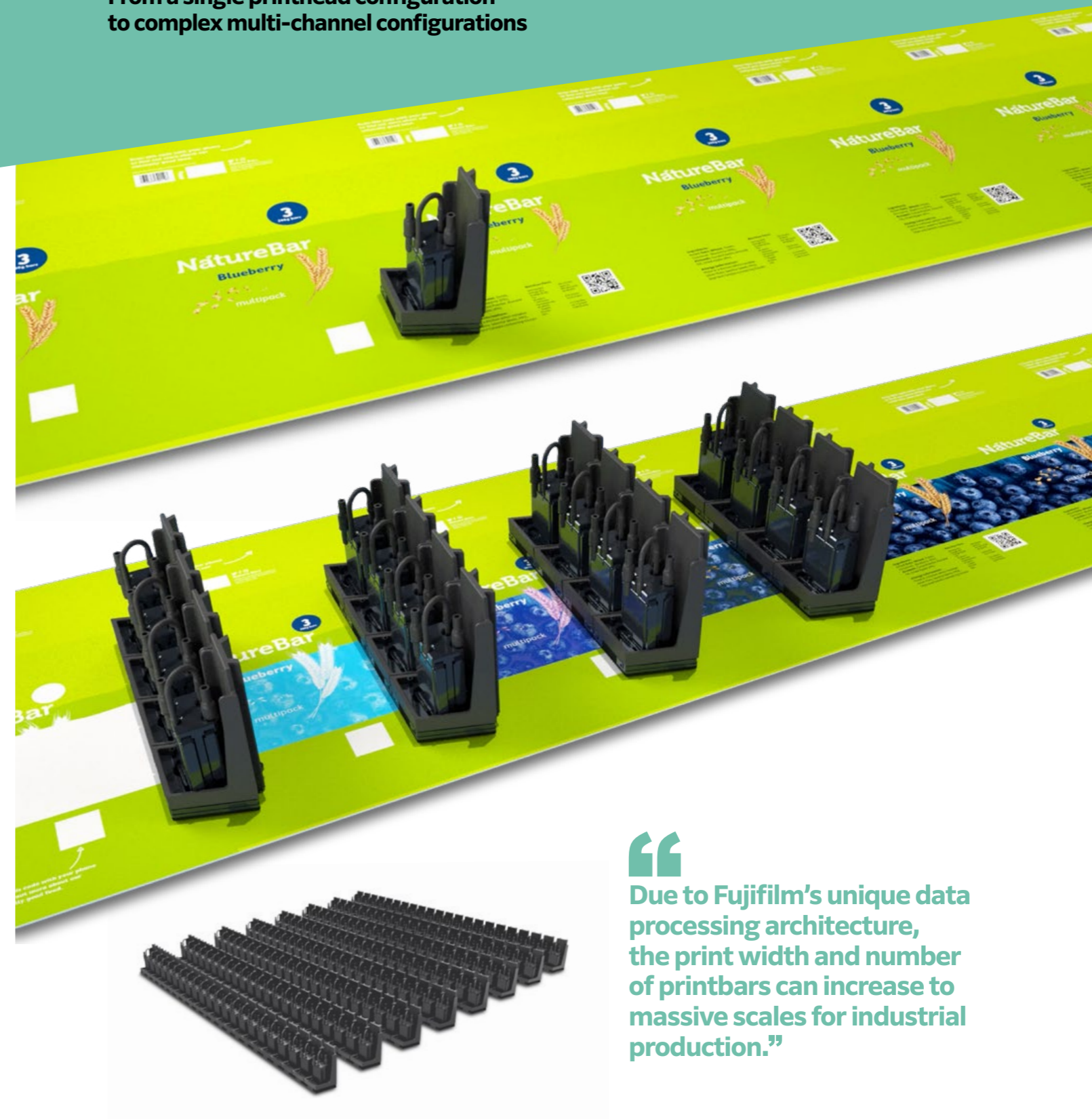
From single printhead to complex multi-channel configuration

Printbar configurations can be scaled from a single printhead, single colour system for coding, language changes or simple promotional versioning, to a printbar system with multiple printheads for the printing of full colour images over wider print areas.

Wide ranging Samba printbar portfolio for any print width in 40 mm increments

- Monochrome, spot colour, process colours
- Imprinting lanes or full digital print
- Digitise existing analogue assets

Samba printhead. Not visible to the naked eye, 2048 nozzles are contained in the silver-coloured silicon chip which measures just 44 mm wide by 18 mm deep.



“Due to Fujifilm’s unique data processing architecture, the print width and number of printbars can increase to massive scales for industrial production.”

Enhanced by inkjet



Opportunities for inkjet to complement existing production processes

The Fujifilm imprinting range comprises a number of different scalable printbar solutions and formats, combined with a variety of different ink types. This means that there are opportunities for Fujifilm's imprinting solutions to be integrated onto many different types of production equipment, whatever the format.

Applications

The wide variety of Fujifilm imprinting solutions makes it possible for many different applications to be enhanced by digital inkjet, from direct mail and transactional applications in commercial printing, to label, packaging and industrial production processes.



1. Direct mail



2. Commercial



3. Direct to food



4. Packaging



5. Industrial



6. Transactional

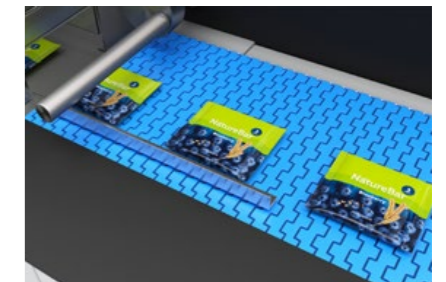
Scalable solutions



1. Package converting in a web process



2. Package converting in a sheet process



3. Late stage packaging

Mini 4300 Series: versatile printbar system

The Mini 4300 has speed, performance and consistency in a compact form. This enables the incorporation of digital printing into an ever-expanding number of new applications and challenging conditions for equipment integration.



Key features

- Single pass inkjet imprinting system
- Each printbar contains a single 1.6" width printhead (40 mm)
- Up to 4 printbars per system
- 1200 dpi native resolution
- Speeds up to 1000 feet per minute
- Monochrome, spot colour or 4 colour
- Aqueous & UV

12K: compact 4 colour printbar system

The 12K Printbar System puts 4 colour inkjet printing technology into an all-new condensed form. It supports use where space is limited, such as integrating into existing production equipment.

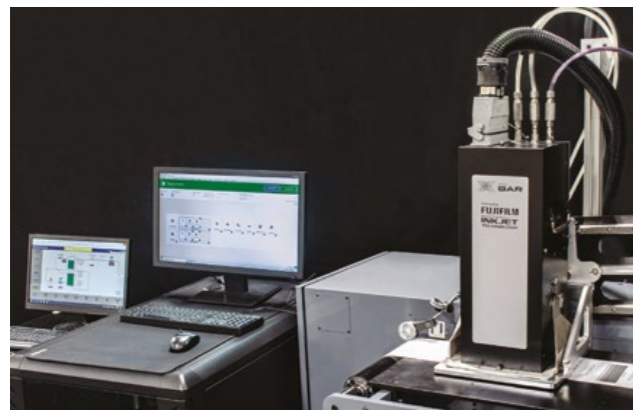


Key features

- Add 4-colour variable print to existing equipment
- Compact for ease of integration
- Does not require printbar refurbishment
- Fast startup
- 1200 dpi or speeds of up to 300 m per minute
- Each printbar is small enough to be removed by hand for servicing or storage

X-BAR: drop-in imprinting solution

The X-BAR brings digital, variable data printing such as barcodes, text elements, logos and more, to conventional analogue presses.



Key features

- Lane printing with 4.5" and 9" print width offerings
- Controller capable of running X-BAR and some existing legacy printers
- Workflow based on IJPDS page description language
- Familiar user interface to support transition from legacy technology
- Modular fluid management for future expansion
- No refurbishment needed

42X Printbar: wide width commercial imprinting

The 42X Printbar System offers variable data imprinting in wide print widths to avoid repositioning printbars. It also comes standard with the Kao Collins Universal Controller for a familiar user interface and numerous workflow features.



Key features

- Available in 343 mm (13.5 inches), 686 mm (27 inches), and 1016 mm (40 inches) print widths
- Options for monochrome, spot and 4-colour printing
- Uses the Kao Collins Universal Controller
- Familiar user interface to support transition from legacy technology
- Workflow supports IJPDS and PDF page description language
- No refurbishment needed

TransJet R Series: reel-to-reel transport systems

The TransJet R reel-to-reel high speed transport system is a precise and application independent solution for digital printing. It enables easy integration of upstream or downstream processes such as unwinders, rewinders, or cutting lines over existing controllers.

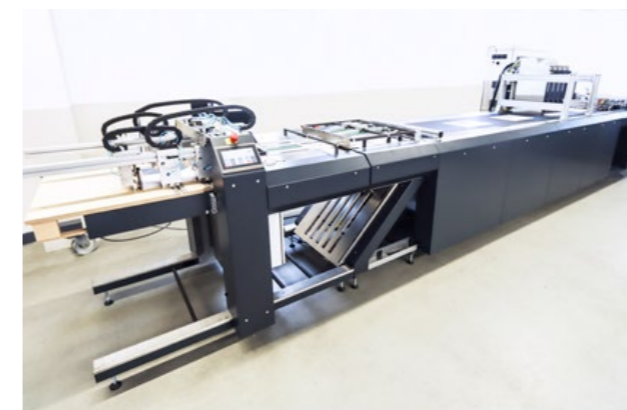


Key features

- Application independent precision transport system
- Computer controlled servo motors can be operated by touch pad
- Easy integration of upstream or downstream systems
- TransJet transport system can be operated with a single, consolidated user interface
- Individual adjustable web tension enables processing of thin and thick substrates (up to 300g/m²)

TransJet STS Series: sheet-to-sheet transport systems

The TransJet STS sheet-to-sheet high speed transport system is designed for digital printing, sheet separation, inspection, sorting and stacking. It accommodates easy integration of process-related functionalities such as inkjet system, camera supervision, laser microperforation, and other aggregates on demand.



Key features

- The TransJet STS transport system consists primarily of the following modules, and is an interface to standard finishing systems:
- Flat pile feeder
 - Round table feeder
 - Vacuum-belt-table
 - Reject gate
 - Delivery conveyor or stacker

Configurable inkjet printers

If you need off-line or near-line digital web-fed printing equipment for your factory, but off-the-shelf digital presses don't have what you need, consider a built-to-purpose, inkjet web press from Fujifilm Unigraphics.

Fujifilm will work with you to understand your printing needs and build the kind of printing machine you need. We use a highly-flexible platform built on a foundation of standard configurations.



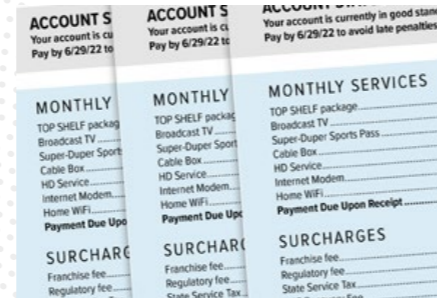
A custom digital inkjet press from Fujifilm Unigraphics



A four-colour duplex configurable printer from Fujifilm Unigraphics

Applications

Many commercial print applications can be enhanced by digital inkjet.



Options and accessories

The modular nature of Fujifilm's print system components makes adding options and accessories easy.



Web handling

- Unwinder
- Rewinder
- Web guide
- Splice management
- Chilled rollers



Print control

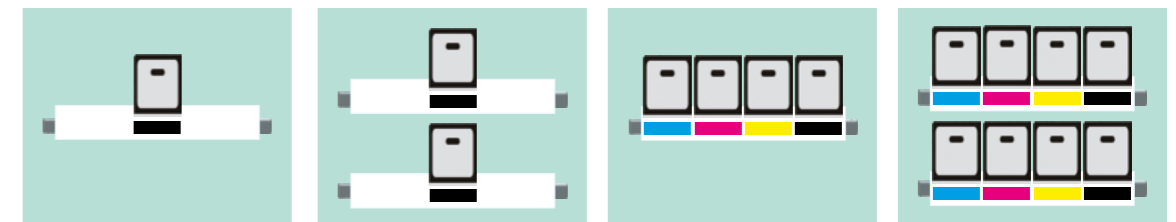
- Image compensation
- Print quality inspection
- Automatic nozzle plate cleaning
- Automatic printbar positioning
- Automatic printbar capping



Fluid control

- Centralized ink delivery
- Drying
- Curing
- Substrate pretreatment

Tailor made inkjet



	Monochrome simplex	Monochrome duplex	4-colour simplex	4-colour duplex
UV ink printers	500 mm print width			
	Uniquely variable streamed image data		Batch or uniquely variable streamed image data	
	Standard automatic nozzle plate cleaning and positioning			
	N/A	Multi-printbar synchronization		
Aqueous ink printers	500 mm or 1 meter print width			
	Uniquely variable streamed image data		Batch or uniquely variable streamed image data	
	Manual printbar positioning with optional automation			
	N/A	Multi-printbar synchronization		

Section Three

Colour management and workflow



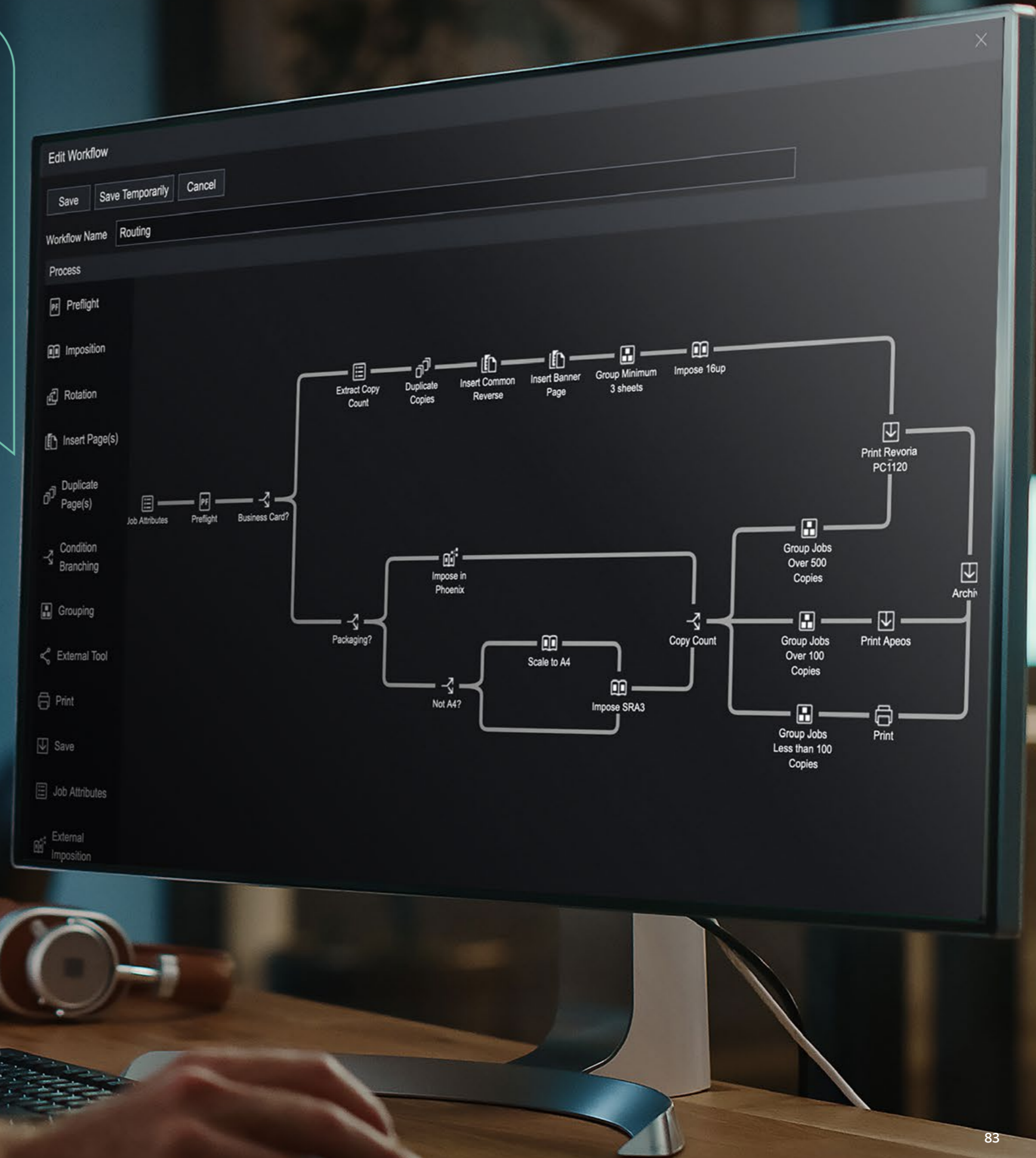
XMF PressReady

Advanced digital workflow

Fujifilm's XMF PressReady is a revolutionary digital print production workflow system to receive, pre-flight, impose, gang, sort and deliver "Press Ready" jobs to digital presses using automated production flows. It allows print service providers to automate ordinary and repetitive tasks, allowing press operators to focus on more important aspects of the production process.

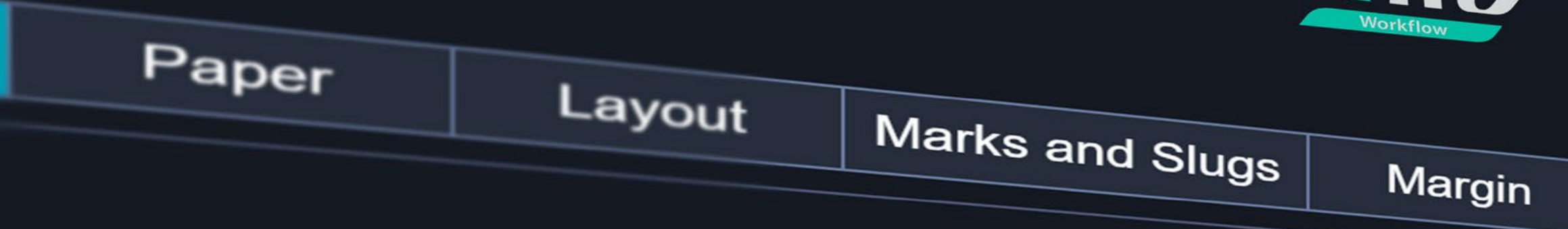
Conditional automation

Able to integrate seamlessly into a range of established workflow environments, XMF PressReady offers multiple workflows that can be configured to make production decisions based on size, quantity, media, and page count. XMF PressReady eliminates the need for manual intervention, saving valuable time and reducing the possibility of operator error.



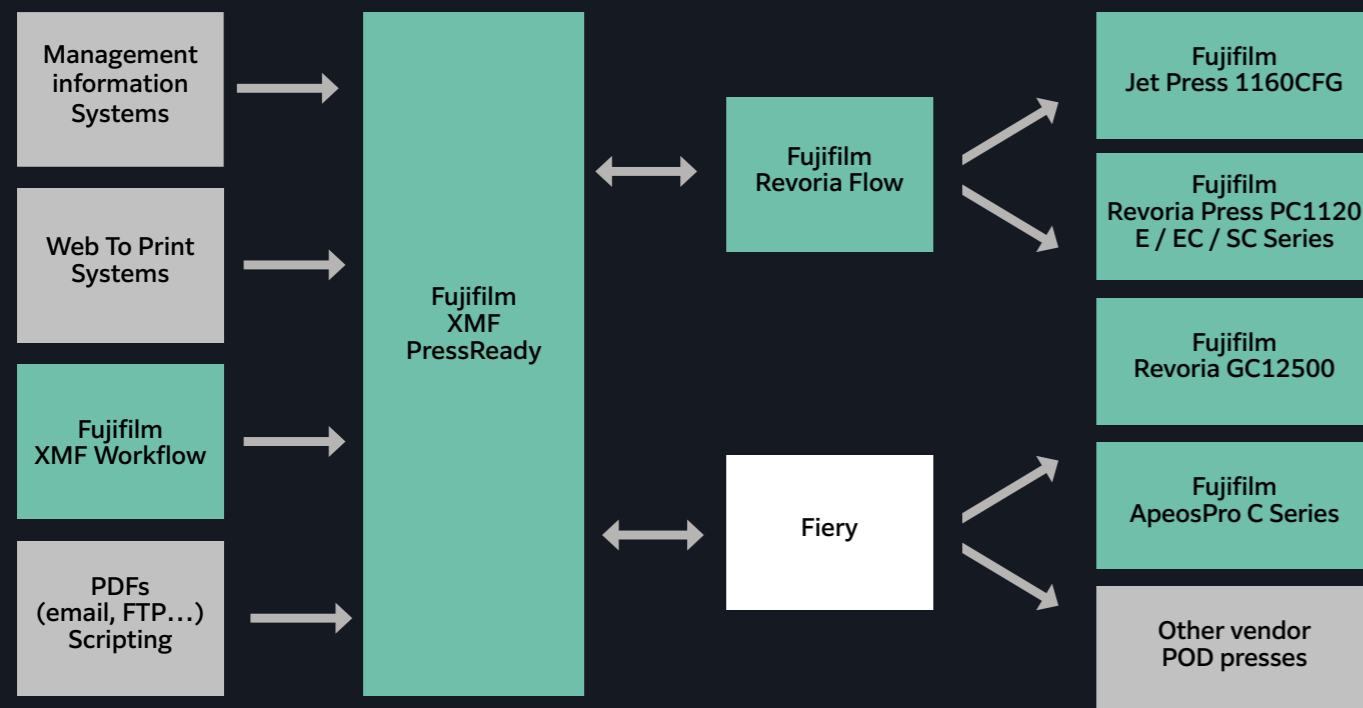


Binding Method



XMF PressReady is unique in integrating not only with Revoria digital presses, but any connected digital press using a Fiery DFE

XMF PressReady connectivity



Hybrid digital & offset print production

XMF PressReady is integrated with Fujifilm's established and respected XMF Workflow system, allowing print businesses to manage both offset and digital production via one integrated workflow, making it an ideal solution for those who offer hybrid printing services. When used in combination with Fujifilm's Revoria Press PC1120 and Revoria Flow DFE, XMF PressReady, can completely automate the flow of print work from order intake to printed product by preconfiguring and automating the flow of work through the Revoria Flow DFE.

Print management across all vendor presses

XMF PressReady is unique in integrating not only with Revoria digital presses, but any connected digital press using a Fiery DFE. This allows print service providers to manage digital presses from multiple vendors using one system, giving visibility of the print job status, the print job queue, media information, ink levels and much more.

Streamline production

Fujifilm's XMF PressReady brings a new level of efficiency to digital print production, providing print service providers with a powerful, flexible, and efficient workflow system that can automate processes, streamline production, and save valuable time by minimising errors.

Key features

- JDF integration with MIS, W2P and Fujifilm XMF Workflow
- Open connectivity with CSV import integration
- Workflow front end to both Revoria Flow and Fiery DFEs
- Deep integration with Revoria Flow and Fiery DFEs
- Automated flow from XMF Workflow to digital presses
- Make automatic workflow decisions with "conditional branching"
- Job grouping and imposition to create print-ready layouts
- Addresses the needs of hybrid offset & digital and digital only printers
- Offers a step towards a "smart factory" concept
- Supports any vendor POD printer that has a Fiery front end
- Built by a company with over 20 years of experience in developing print workflows

XMF Workflow

Advanced, high performance workflow solution to maximise production efficiencies



Built to optimise offset print production

XMF Workflow is a fully integrated print production workflow system designed to manage all aspects of production, from job submission through to printing. Applications such as job submission, pre-flighting, proofing, colour management, imposition, in-rip trapping, ink saving and the output of plates are all managed from within the core XMF Workflow. As part of our PLATESENSE programme, therefore, the introduction of XMF Workflow to your business can have a huge impact on optimising production efficiencies and maximising profitability.

Automate production

XMF provides extensive workflow automation. This is not just limited to automating the flow of work throughout the workflow itself, but also extends to full automation from various MIS systems. Job information from an MIS system can be used automatically by XMF to determine how a job is imposed and output without the need for any manual intervention. If you are looking to maximise automation, XMF is the perfect solution.

Minimise supplied file errors

Within the XMF Workflow system, a module called XMF Remote provides an online portal where work can be effortlessly supplied into the workflow either from a customer service team or directly from print buyers. The advantage of this process is that jobs supplied this way are pre-flightchecked as they are submitted online. This means they are checked at the very beginning of the production flow, ensuring that once jobs are submitted and approved to be released to the main workflow, any file errors have already been fixed minimising any delays within the production schedule.

XMF Workflow

Reduce job preparation times

Easily organising and managing PDF pages within a workflow system is critical in preparing work to be printed. XMF provides a clear 'one screen' workflow where PDF files are imported, organised in sections and are applied to imposition layouts quickly and easily. Job preparation time is kept to an absolute minimum.

Speed up complex impositions

Building imposition layouts for non-standard jobs, especially for jobs that are printed across different presses of different sizes can be complex. This is handled easily within XMF via the XMF Imposition module. Using what we refer to as 'XMF Pagnation Mode' allows complex impositions to be constructed quickly and easily, a move away from the complexity of settings required in traditional imposition applications.

Key features

- Based on the Adobe Mercury Architecture for APPE (Adobe PDF Print Engine)
- Powerful and flexible imposition module for offset sheet and web printing
- Integrated preflighting, screening and colour management
- 3D proofing
- Connectivity to print MIS systems
- Support for PDF/VT variable data printing

Handle late changes quickly and easily

Even though full automation is possible with XMF, offset print production is renowned for changes being made to print jobs once they are in production. Switching a job to a different press or inserting pages containing last minute corrections can be handled with ease. XMF has been designed to deliver production automation but can equally provide the flexibility when production scheduling does not go to plan.

Process jobs at maximum speeds, whatever the size

What assists XMF Workflow in meeting tight production deadlines is the underlying Adobe Mercury Architecture for the APPE (Adobe PDF Print Engine). This is an advanced implementation of APPE that allows XMF to run as many instances of the APPE as a job requires, spawning extra APPEs automatically as and when the production load increases. This ensures XMF always automatically makes use of all the processing power available within the PC server hardware.

XMF ColorPath

Cloud-based colour management for offset and digital printing

Fujifilm's cloud-based total colour management system allows printers to create colour profiles and calibrations to print to various standards, and provides tools to ensure that over time the standards are continually adhered to.

Manage and monitor colour performance

The ability to provide colour managed output is also managed within XMF. However, the key to good colour management is the creation of accurate ICC colour profiles, the ability to easily print to ISO standards, and above all to have a system that makes it easy to check and verify that standards are continuously being met. All of this and more is achieved with XMF ColorPath, Fujifilm's cloud based colour management solution. XMF Workflow is integrated with XMF ColorPath allowing ICC profiles created in the cloud to be deployed and used for everyday production within XMF Workflow.

Rest assured you are in safe hands

XMF Workflow is a proven workflow system for offset print production. Thousands of customers all over the world rely on XMF Workflow to manage their production needs every day.

Key features

- Cloud based colour management
- Align offset and digital presses to ISO or G7 standards
- Optimise ink usage while maintaining conformance to ISO and G7 standards
- Create colour profiles to allow for FOGRA standard proofing
- Verify if digital proofs are within the tolerance limits of industry standards

XMF ColorPath Brand Color Optimizer

Accurate management of vibrant spot colours across multiple printing platforms

Ensure spot colours are reproduced as accurately as possible

Taking advantage of very wide colour gamuts already offered by devices such as the Jet Press 750S High Speed Model, XMF Brand Color Optimizer fine tunes the ability to print spot colours and ensures that every spot colour is reproduced as accurately as possible. Brand Color Optimizer can be used to optimise any colour library, including Pantone, HKS and Toyo, to name a few.

Ultra-fast calibration process and easy to use

The process of calibration is ultra-fast, with it being possible to calibrate the entire Pantone colour library of 1,872 colours in less than an hour. Brand Color Optimizer measures and optimises every single colour within the library. In addition, because spot colours are managed separately to regular CMYK colours, maintaining ISO printing of CMYK and also having Pantone spot colours in the same job is easy to manage.

Expands colour printing possibilities on the Jet Press

This now expands the types of colour printing possible on the Jet Press 750S, with the following all achievable: ISO 12647-2 printing; ISO 12647-2 and spot colour printing; wide gamut printing.

Reduce expense of operating additional ink colours

The wide colour gamut achievable on CMYK digital presses such as the Jet Press 750S allows 90% of the Pantone library to be accurately printed to a Delta E of less than 3, reducing the cost and complexity of having to use additional inks.

Find out which Pantone colours can be printed before printing

Unique to XMF ColorPath Brand Color Optimizer is the ability it provides for users to see, before printing, which press, ink and substrate combination allows the Pantone colours to be accurately printed.

XMF ColorPath BCO cloud based colour management suite allows the printing of brand colours with unbeatable accuracy on a range of digital and offset print devices.

Key features

- Ensure spot colours are produced as accurately as possible
- Ultra-fast calibration and easy to use
- Allows the following printing possibilities:
 - ISO 12647-2 printing
 - ISO 12647-2 + spot colour printing
 - Wide Gamut Printing
- Achieve up to 90% of the Pantone library on Fujifilm Jet Press presses
- Establish which spot colours can be printed

Section Four

Offset solutions

Platesense

Manage your plate production more efficiently, and ultimately reduce costs

Our PLATESENSE programme comprises a number of initiatives to help you manage your plate production more efficiently, and ultimately reduce costs. At its heart, it is a programme to minimise the burden of plate production in whatever way possible, so that the costs and time involved in producing plates can be minimised and resources focussed elsewhere.

But while the focus is to minimise costs and time, there are also opportunities to improve many areas of plate production and maximise efficiencies by upgrading to a new CTP device, introducing a higher performance plate, or even changing a workflow to streamline production. All these options are possible through a choice of simple, easy to understand financing solutions.

PLATESENSE plate production

The main idea behind the PLATESENSE programme is for Fujifilm to take responsibility for managing a number of core elements of plate production. Fujifilm supplies the plates when you need them, but importantly, in this part of the programme, Fujifilm also takes care of your waste and aluminium collection, and services and maintains your processor.

In terms of financing, you can either pay for all parts of the programme through one simple plate price, or finance the CTP equipment through the rental or swap-out programmes, leaving the rest to be financed through the plate contract. Either way, Fujifilm takes care of the rest, meaning your operational costs go down, and the hassle of managing your pre-press department goes away.



“The transition was seamless and cost us nothing, as the installation and maintenance of the equipment are also covered by the fee.”

Chris Stainton,
Co-owner, Typecast

Superia ZX

Processless plate for general applications

Processless plate production represents the simplest way to make plates. Once the plate has been imaged in a platesetter, it is mounted directly on the press where the removal of the plate coating has been cleverly integrated into the start-up of the press.

There is complete elimination of the processor, associated chemistry, energy required to power the processor, water and waste from plate production.

Key features

- Improved latent image visibility
- Strong scratch resistance for improved handling
- Exceptional durability
- Superb on-press performance
- Suitable for use with UV inks
- 1% - 99% @ 200 line
- Up to 200,000 impressions
- Eliminates processor, chemistry, gum and water in conventional plate production

Fujifilm's Superia ZX processless plate has fast on press development, higher durability, robust scratch-resistance and better visibility. This plate benefits from a number of new and innovative technologies to make processless plate production as mainstream as possible.

High colour generation technology

This technology has been used to improve the latent image visibility, and incorporates a new dye that does not inhibit the hardening of the photosensitive layer or discolour the ink. Also, the visibility does not disappear even if the plate is left out for a few days.

Print control layer technology

Using this technology, on press development speeds are optimised at an ultra-high level. This newly developed functional layer enables the fountain water to penetrate into the photosensitive layer very quickly. It also protects the photosensitive layer from peeling off during dampening for rapid development, which prevents any pollution of the roller and water tank.

Processless gumming technology

This technology minimises potential scratches on the non-image area caused by handling before development of the plate, which prevents ink stains. The undercoat layer flows to the scratched part during dampening, preventing ink from adhering to the scratched part.

Extreme adhesive bonding technology

Excellent print durability is achieved using a new photopolymer that promotes better solidification of the photosensitive layer, and the new surface treatment improves the adhesion between the support and the photosensitive layer. During the printing of longer run jobs, small halftone dots remain stable, suppressing dot fluctuations.

Technical specifications

Superia ZX	
Run length*	up to 200,000 impressions
Run length* (UV ink)	up to 100,000 impressions
Resolution**	1%-99% @ 200 lpi
	20 micron FM supported
	300 line Co-Res supported
Energy***	100-150 mJ/cm ² (Recommended 110 mJ/cm ²)
Spectral sensitivity	IR LD 830 nm (800-840 nm)
Safe light	White light @ 800 Lux - 1hr
Latent image****	One week
Plate storage	<25°C (77°F)

* Run lengths are always dependent on laser power and press conditions
 ** Depends on setter type
 *** Dependant on platesetter
 **** Time from imaging to press

Superia LH-PLE

Low chemistry plate for long run applications

A high-definition, positive-working thermal CTP plate for long-run commercial print applications. Superia LH-PLE can be used with UV inks, either unbaked or baked, and features enhanced scratch resistance.

Key features

- Run length: up to 300,000 (unbaked), 400,000 (baked), 150,000 UV ink (unbaked)
- Resolution: 300 lpi (1 – 99%)
- Much lower chemistry consumption when used with Fujifilm FLH-Z or FLC-TZ processors
- New, strong alloy for enhanced scratch resistance
- Suitable for use with UV inks, with or without baking
- Suitable for high-quality 20 µm FM screening applications
- Enhanced Development Layer (EDL) for wider developing latitude and cleaner working
- Long bath life with ZAC processing (20,000 m²)

Lower chemistry consumption and maintenance

Superia LH-PLE, when used with Fujifilm FLH-Z or FLC-TZ processors, can benefit from much lower chemistry consumption. Typically, a full bath of developer can develop up to 20,000 m² of plates resulting in substantial savings in developer consumption and reductions in cleaning down time.

Cleaner working environment

The chemistry used for processing Superia LH-PLE plates in a 'ZAC' system is a non-silicate based recipe which results in less developer sludge and fewer filter blockages. In addition, the Enhanced Development Layer (EDL) improves the solubility of the non-image areas during development, further aiding bath life, giving wider developing latitude and resulting in much cleaner working.

More stable plate production

Because of the way 'ZAC' processors intelligently control replenisher delivery, plate production is more stable, making it much easier to achieve high quality, irrespective of changes to environmental conditions. This is particularly important for demanding FM screening applications.

Enhanced scratch resistance and suitable for extended run lengths

Superia LH-PLE incorporates a new strong alloy base to resist cracking and splitting, reducing and eliminating the need for costly remakes and press down time. It can also be used for extended long runs without the need for baking, but can be post baked if higher run lengths are necessary, providing complete flexibility to meet every requirement.

Technical specifications

Superia LH-PLE	
Print application	Long-running, sheet-fed and web
Laser type	Thermal LD 840 nm (800 m - 850 nm)
Sensitivity	100 - 120 mJ/cm ²
Resolution	300 lpi (1-99%)
FM screen compatible	Yes - 20µm FM
Gauges	0.15, 0.2, 0.3 and 0.4 mm
Safelight	White: 1 hour; UV-cut: 2 hours; yellow: 12 hours
Shelf-life	2 years
Contrast	Excellent
Developer/replenisher	DT-2WE / DT2RE (FCT-E12 / FCT-E13)
Bath Life	Up to 6 months or 20,000 m ²
Gum	FG-8CWE
Run length* unbaked	Up to 300,000
Run length* baked	Up to 400,000
Run length* UV ink unbaked	Up to 150,000
Run length* UV ink baked	Up to 200,000

*Run lengths are always dependent on laser power and press conditions

Luxel T-X/T-S CTP Series



New generation of high quality, easy to operate thermal platesetters

The Luxel T-X and T-S next generation Luxel thermal platesetters use advanced multi-channel spatial light modulator technology to achieve outstanding quality, exposure stability, and high productivity. They are compact and easy to use, and include a range of advanced features. Five models in the range ensure suitability for diverse requirements, with manual loading, single cassette and multi-cassette options available.



Luxel

Multiple channel spatial light modulator technology

The Luxel T-X4/X5 platesetters make use of a unique multi-channel laser carriage that uses spatial light modulator technology to split the laser beam into multiple channels for drawing sharp-edged square dots on the plate. This facilitates easier control of the energy in each channel to produce consistent and stable dots, and the lower power consumption also provides cost savings.

Direct drive and linear motors

With extremely high precision positioning, and fast acceleration, the direct drum drive motor significantly reduces load/unload times and greatly enhances efficiency compared to conventional belt-driven drum technologies. In addition, the linear motor eliminates positioning deviations caused by intermediate links, resulting in ultra-precise positioning of the laser carriage. Apart from the guide rail, there is almost no mechanical friction. This increases unit stability, reduces any chance of failure, and maximises service life.

Technical specifications

Name	High speed model		Standard model	
	Luxel T-X5		Luxel T-S3	Luxel T-S1
Exposing method	External drum			
Plate size	max	1163 mm x 940 mm		
	min	400 mm x 300 mm		
Plate thickness	max	0.3 mm		
	min	0.15 mm		
Exposing size	max	1163 mm x 928 mm*3	1163 mm x 924 mm*3	
	min	400 mm x 284 mm		
Type of laser head	Light Valve Head		Fibre Laser Diode Head	
Number of laser channels	≥220		64	32
Plate type	Thermal aluminium plate			
Resolution	2400 or 2540 dpi (fixed)			
Exposure	Spiral exposure			
Accuracy standard	Plate Edge Detection			
Output speed	55pph*1		31pph*1	18pph*1
	1030 mm x 800 mm, plate sensitivity 110 mJ/cm ²			
Interface	Optical fiber cable			
Plate loading (mandatory selection*2)				Manual loader (P)
				Single cassette (SCL)
	Multiple cassette (MCL, 4 cassette)			
	Pallet Loader - APL (Single and double bay)			
Connection of processor	Output conveyor (included)			
Punching system	Option: internal punch three sets of plate holes			
Workflow	Supplied with 1 BIT TIFF Interface			
Safety regulation	CE, NRTL, EMC, FDA			
Environment	Operating temperature range: 15 - 30°C, Recommended temperature: 21 - 25°C, Humidity : 40 - 70%			
Device size	CTP manual loader (P): 1900 mm x 2510 mm x 1356 mm (L x W x H) CTP with standard single cassette unit (SCL): 1900 mm x 3010 mm x 1356 mm (L x W x H) CTP with multiple cassette unit (MCL): 1900 mm x 3267 mm x 1356 mm (L x W x H) CTP with Single Pallet Loader (APL): 1915 mm x 5096 mm x 1550 mm (L x W x H) CTP with Double Pallet Loader (APL): 1915 mm x 6416 mm x 1550 mm (L x W x H)			
Weight	Manual loader: 1100 kg, Single cassette: 1250 kg, Multi-cassette: 1650 kg			
Power supply	P			single phase : 220V, 2.49kW
	SCL			single phase : 220V, 2.93kW
	MCL	single phase : 220V, 2.82kW MCL loader : 220V, 0.85kW	single phase : 220V, 2.93kW MCL loader : 220V, 0.85kW	single phase : 220V, 2.69kW
	Common	Power of vacuum box: 220V, 1.310kW	Power of vacuum box: 220V, 1.610kW	
Compressed air	oil free ≥ 200L/min, ≥0.65MPa CTP manual loader (P) : one line for CTP, Volume ≥65L CTP with standard single cassette unit (SCL) : one line for CTP and SCL, Volume ≥135L CTP with multiple cassette unit (MCL) : one line for CTP, one line for MCL, Volume ≥135L			
Specification of PC for image control software	PC required specification is as below. • CPU: Intel Core i5 or above (Do Not use AMD) • Memory: Minimum 32GB • Storage: 256GB SSD (OS) + 500GB SSD (Data) • Network: 1Gb Ethernet • Interface: PCIe x1 Slot, USB 2.0 • OS: Windows 10 / 11 64bit (English)			

Supplementary information

*1 Productivity is evaluated when using only positive plate.

*2 Plate loading system is a factory option. Please contact Fujifilm for further information.

*3 Maximum imaging area with standard 8mm clamps (T-S models always have 8 mm clamps overlap. T-X models always have 6mm clamps overlap.)

*4 APL configuration: min size 400 mm x 485 mm

Luxel T-6500CTP

The Luxel T-6500CTP series is a range of 4pp platesetters from Fujifilm. Available in three versions with key improvements in productivity, the flagship model can achieve 33 plates per hour providing at least 8 sets of 4 colour plates per hour.

A range of automation options exist to meet specific production, space and budget requirements, and the latest laser technology ensures excellent image quality while producing consistent high quality plates. A wide range of compatible plate sizes provides flexibility for a larger number of presses, with up to 3 sets of plate punches enabling accurate online press plate punching for improved plate registration.



Luxel T-6500CTP	
Model	Maximum productivity
Luxel T-6500CTP E	11 plates per hour
Luxel T-6500CTP S	21 plates per hour
Luxel T-6500CTP X	33 plates per hour

Special features

- Fibre LD technology for higher quality image output
- Improved small plate size support
- Improved data connection via Gigabit Ethernet
- Maximum plate size: 830 mm x 660 mm
- Online punch option: maximum 6 units with up to 3 sets of punches

Business benefits

- Reliable, high quality output
- Full automation possible with single- and multi-autoloaders
- High productivity output up to 33 plates per hour

PlateRite Ultima

PlateRite Ultima is a range of high speed, VLF thermal platesetters that can output large-format plates up to 2,900 x 1,350 mm in size, and as small as 450 x 370mm when fitted with the optional small plate option. This puts these machines in a class of their own as true multi-format platesetters.

Advanced 1,024-channel imaging head GLV™ (Grating Light Valve) technology has been used to develop a revolutionary multi-channel imaging head that enables remarkably high speed and high quality exposure. This cutting-edge imaging head features up to 1,024 individual laser beams that expose plates in wide swathes, enabling the PlateRite Ultima series to deliver unbeatable throughput without sacrificing quality.



PlateRite Ultima	
Model	Maximum productivity
PlateRite Ultima 16000N	1470 x 1180 mm
PlateRite Ultima 24000N	1652 x 1325 mm
PlateRite Ultima 36000	2100 x 1600 mm
PlateRite Ultima 40000	2280 x 1600 mm
PlateRite Ultima 48000	2900 x 1350 mm

Special features

- Minimum plate size: 650 mm x 550 mm
- Large, multi-format output from 4 to 48-page
- Optional inline punching
- Dual plate loading on all models (except Ultima 16000N)
- Dual plate imaging on Z models (except Ultima 16000N)

Business benefits

- Full automation possible with single- and multi-autoloader
- Advanced GLV imaging head up to 1024-channels for high-speed, high-quality output

For coatings the benefits are clear

Spot varnish coatings are critical to completing eye-catching book jacket designs that stand out on the shelf and help to drive sales. Leading UK book printer CPI Books, based in Croydon, south London, was previously using thermal flexographic plates for this process, but concerns over print quality and excessive waste – including the use of solvents and wicking cloths – led them to investigate Fujifilm's Flenex water-washable flexo plates as an alternative.

As a Jet Press customer, CPI Books already had a pre-existing relationship with Fujifilm and they made the decision to broaden this partnership much further, to include the supply of Flenex FW plates, following a period of consultation and a visit to the Fujifilm Print Experience Centre in Brussels.

CPI began to see the benefits of making the switch immediately. Graham Faulkner, Works Manager at CPI Books, says: "In early 2019 we took the decision to switch to Fujifilm's Flenex water-washable flexo plates for our spot varnish coating applications. It has to be said that since the switch we have seen numerous benefits over the previous thermal plate we used.

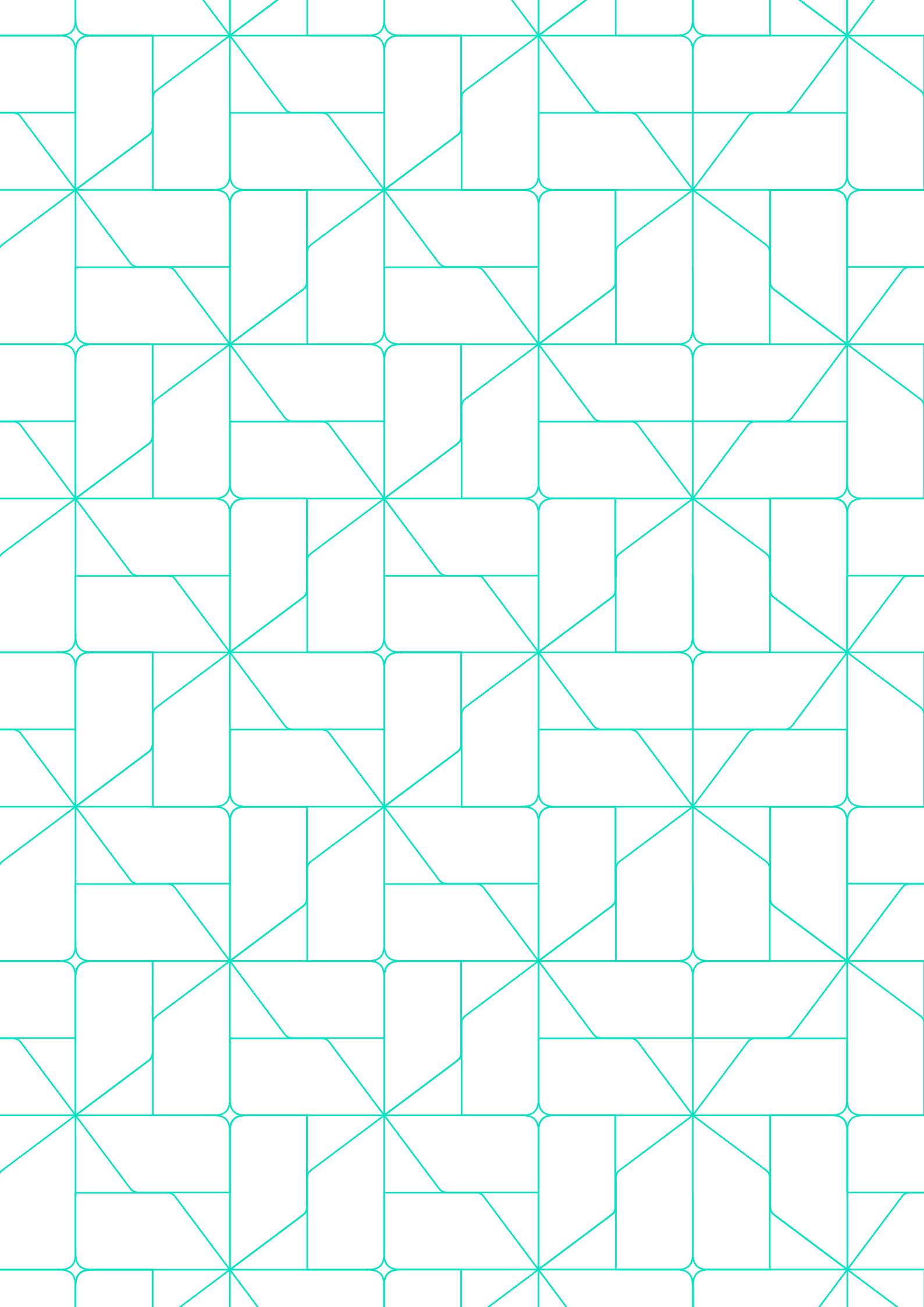
"We have seen a definite improvement in print quality with improved varnish transfer leading to a higher gloss finish on the final print. Additionally, we see much sharper edges to the printed image.

"Over time we have also seen that we incur less waste due to registration issues with improved press stability and excellent batch to batch plate consistency, something we had previously struggled with. Since adopting the Flenex plate, we have almost completely eradicated plate remakes, saving time and reducing associated waste polymer plates".

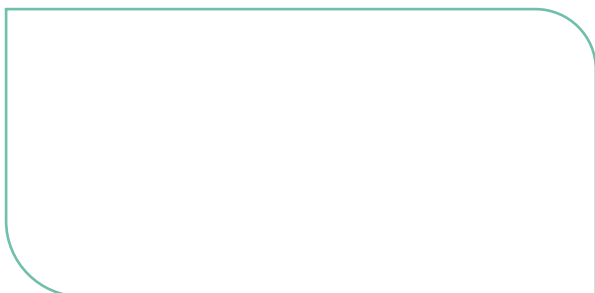


“Since adopting the Flenex plate, we have almost completely eradicated plate remakes, saving time and reducing associated waste polymer plates.”

Graham Faulkner,
Works Manager, CPI Books



Please contact your local Fujifilm partner or visit:
[fujifilmprint.eu](https://www.fujifilmprint.eu)



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