



Label & packaging

RANGE GUIDE



Printed on the Jet Press 750S High Speed Model

Discover our label & packaging range

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Why Fujifilm?

Fujifilm's legacy, technology portfolio, size and diversity gives the company a powerful platform to develop leading analogue and digital systems. With an ambition to lead the transition to digital, we look forward to developing deep and sustainable partnerships long into the future.

Heritage

- We have a 60 year history in the development of high performance inks for analogue printing applications
- Our analogue printing plates have been used for packaging applications for many years, in both offset and flexo applications

Technology

- Our inkjet technology portfolio is the strongest in the industry, allowing us to develop leading digital production systems

We value trust

- Trust is in our DNA, from our origins as a photographic film business, to our company-wide charter for corporate behaviour

Size and stability

- We have a diverse technology portfolio across multiple markets
- The global revenue from our Graphic Communications business was €2 billion in 2021, a significant proportion of this invested in the development of new digital solutions

Support

- We have developed a world-class infrastructure to support your business, whatever the situation
- We can run remote diagnostics on your Fujifilm equipment to minimise downtime

A large, three-dimensional, metallic-looking logo of the word "FUJIFILM" is displayed against a dark background. The letters are thick and have a grainy, metallic texture. The logo is positioned at the bottom of the page, spanning across the width of the content area.

Analogue solutions

With volumes typically far larger than other print sectors, digital is in its comparative infancy in the world of packaging. This means that not all producers are ready for significant digitisation of their printing operations and almost all that are will go hybrid, retaining significant analogue capability.

But continuing with analogue processes doesn't mean the technology stands still – far from it. Technology and innovation have a huge role to play in the future of analogue package printing. Fujifilm is a key part of that future, with a constantly evolving analogue product portfolio designed to improve the performance of analogue printed packaging.

Flenex FW

water-washable flexo plates

0.8
% process
dot

10,160
dpi

40
mins plate-
making time

The highest quality and no solvents

Flenex FW is a water-washable flexo plate that provides the highest print quality and productivity, while significantly lowering the cost-in-use compared to thermal, solvent or other water-wash plate technologies.

Key benefits

- Total platemaking time under 40 minutes
- Highest flexo quality (0.8% process dot), depending on the conditions
- More output per shift for class-leading productivity

Technology overview

Flenex FW photopolymer plates contain a special rubber-based compound that offers a number of inherent advantages over other elastomeric materials from which most other flexo plates are made.

- Reduced dot gain
- Better ink transfer for cleaner, brighter print results
- Faster exposure and washout times
- Much more durable
- Mild washout with water and dishwasher soap
- Reduced plate swell

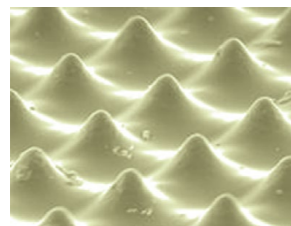
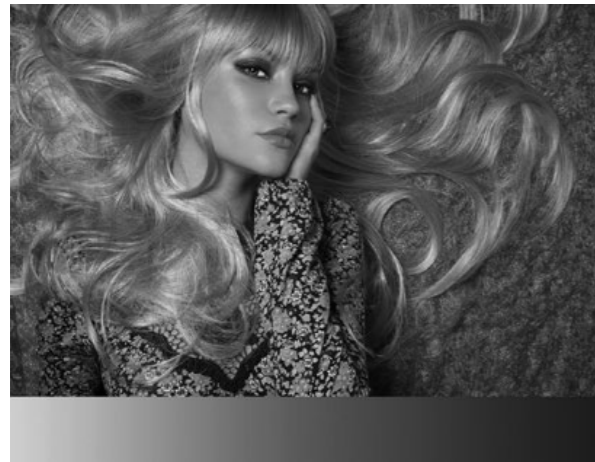
High quality, cleaner and brighter print

The Flenex FW water-washable plate system does far more than simply eliminate the need for solvents and wicking cloths. It delivers longer runs while producing a consistent 10,160 dpi, 0.8% process dot structure for superb high quality print, depending on the conditions.

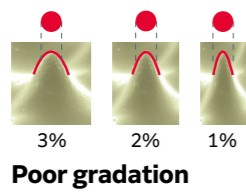
Flat top dot structure

The rubber-based compound means a 1% flat top dot can be achieved without complex systems to eliminate oxygen, and results in lower dot gain. In addition, better ink transfer produces noticeably cleaner and brighter print results.

Solvent plate (round-top-dot)

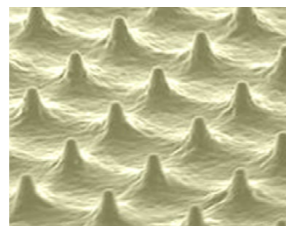
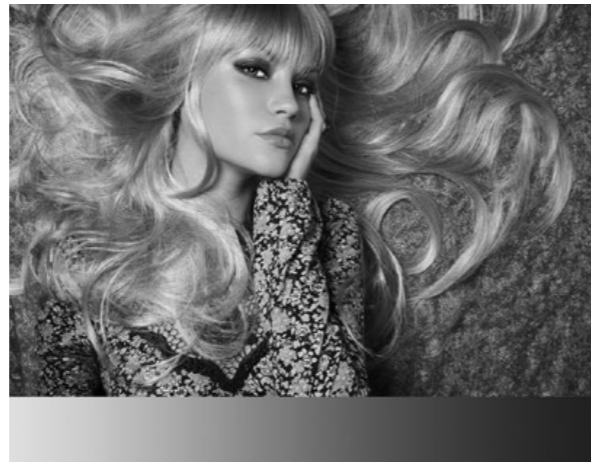


Round-top-dot

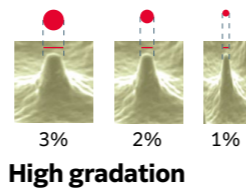


Poor gradation

Flenex FW plate (flat-top-dot)



Flat-top-dot



High gradation



We already had a strong working relationship with Fujifilm, having used their inks for some time, and the Flenex trial was an instant success, immediately remedying the problems we were facing.”

Colin Le Gresley, Company Owner, Aztec Label



Flenex FW benefits your business

Higher productivity

Flenex FW water-washable plates reduce platemaking processing times to less than 40 minutes, 300% faster than leading solvent systems and 1.5 times faster than current thermal and water-wash technologies. Faster platemaking means more time on press and a dramatic increase in output per shift, freeing you to redeploy labour to more value-added activities.

More durable

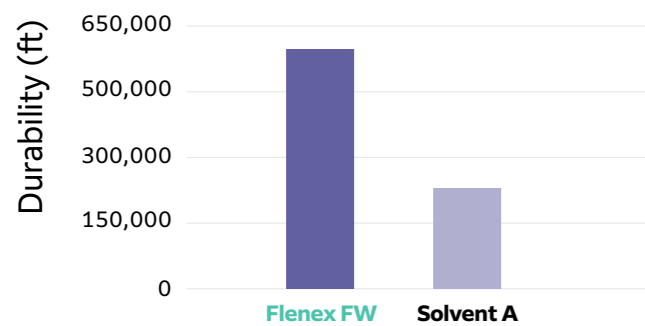
Flenex FW is proven to deliver significant improvements in plate durability and reductions in plate swell, thanks to its unique technology. This means each plate is able to perform longer on press than competitive plates. This increases overall press uptime and results in longer print runs and greater overall profitability.



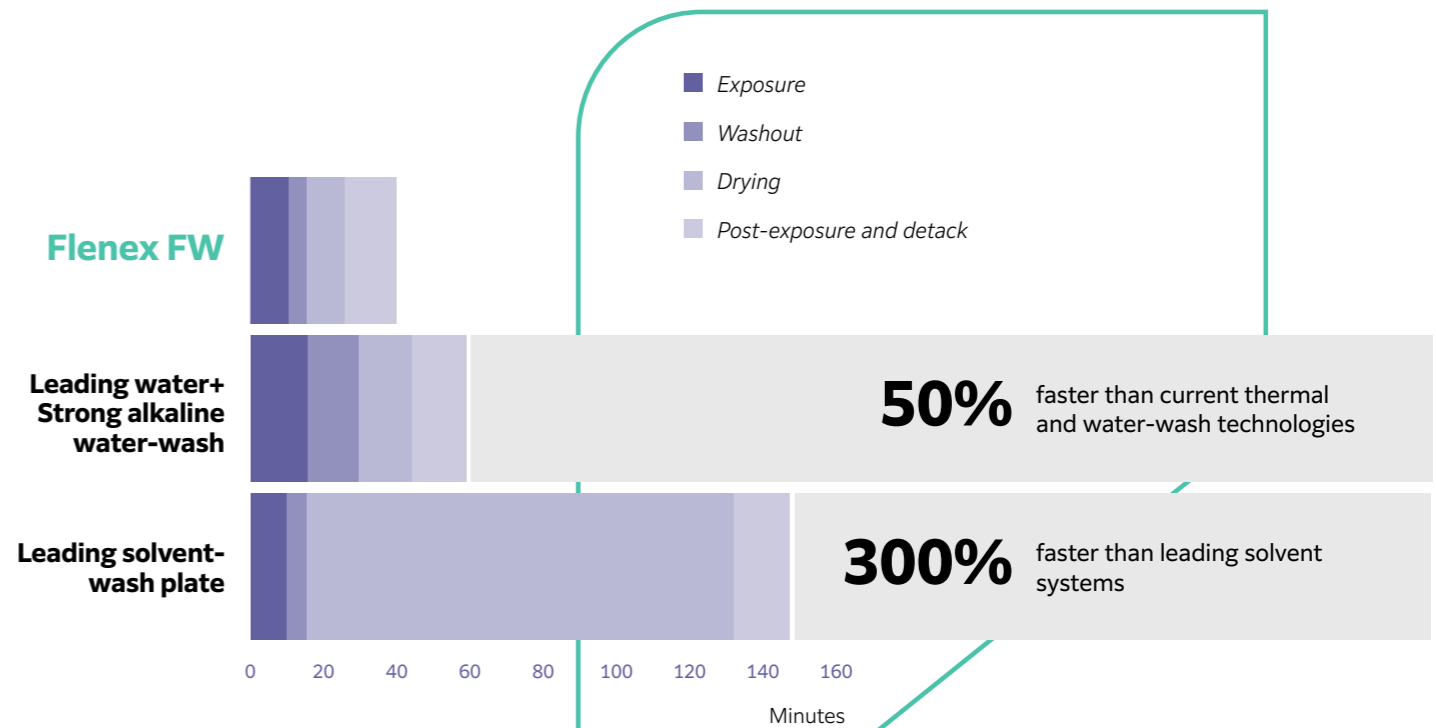
Key features

- Increase in number of plates produced
- Increase in quality
- Faster job turnaround
- Maximise press time
- Lower labour costs or opportunity to redeploy

Durability



Flenex FW	Solvent A
590,051	262,467
Cartons	
OMET	
Coated Paper	
55 m/minute	
Digital 1.14 mm	



Lower cost-in-use

Because of the simplicity of Flenex FW plate processing, the expense of higher cost solvent and thermal processors as well as potential upcharges on associated consumables is avoided. The Flenex FW system therefore represents the lowest cost in use for the production of flexo plates. The chart above gives a simple comparison of the costs of solvent and thermal systems.

Additional costs of solvent systems

- Solvent used to process the plate
- Film or nitrogen consumables
- More expensive solvent processing equipment
- Energy use
- Waste disposal and associated regulatory and safety costs

Additional costs of thermal systems

- Thermal wicking cloth and thermal processing
- More expensive thermal processing equipment
- Waste disposal and associated regulatory and safety costs



Better durability than other systems



Technical specifications

Main applications	Flexible packing, stickers/labels, envelopes, cartons, paper/plastic bags, varnish coating				Varnish coating
Plate types	Analogue plates	Digital plates			Analogue / digital plates
	FW-A	FW-L	FW-L2	FW-FP	FW-AV & FW-LV
Support	Polyester film 0.125 mm	Polyester film 0.125 mm	Polyester film 0.125 mm	Polyester film 0.188 mm	Polyester film 0.250 mm
Thickness	1.14 mm	1.14 mm	1.14 mm	1.14 mm	0.95 mm
	1.70 mm	1.70 mm	1.70mm	1.70 mm	1.14 mm
	2.54 mm	2.54 mm			
	2.84 mm	2.84 mm			
Size*	610 x 762 mm	533 x 508 mm	635 x 762 mm	635 x 762 mm	850 x 1070 mm
	762 x 1016 mm**	635 x 762 mm	762 x 1016 mm	762 x 1016 mm	900 x 1200 mm
	900 x 1200 mm**	900 x 1200 mm**	900 x 1200 mm	900 x 1200 mm	
	1067 x 1524 mm**	1067 x 1524 mm**	1067 x 1524 mm	1067 x 1524 mm	
Hardness (Shore A)***	74/77/82 (°) 1.14 mm	74/82 (°) 1.14 mm	74 (°) 1.14 mm	78 (°) 1.14 mm	80 (°) 0.95 mm
	62/68/74 (°) 1.70 mm	62/74 (°) 1.70 mm	67 (°) 1.70 mm	70 (°) 1.70 mm	78 (°) 1.14 mm
	62 (°) 2.54 mm	62 (°) 2.54 mm			
	62/68 (°) 2.84 mm	62/68 (°) 2.84 mm			
Ink compatibility	Water-based ink	Water-based ink	Water-based ink	Water-based ink	Waterbased/UV/LED varnish
	UV / LED Ink	UV / LED Ink	UV / LED Ink	UV / LED Ink	
				Solvent ink	
	Waterbased/UV/LED varnish	Waterbased/UV/LED varnish	Waterbased/UV/LED varnish	Waterbased/UV/LED varnish	

* The number of sheets per case may vary by product grade. Please contact your Fujifilm representative with any questions

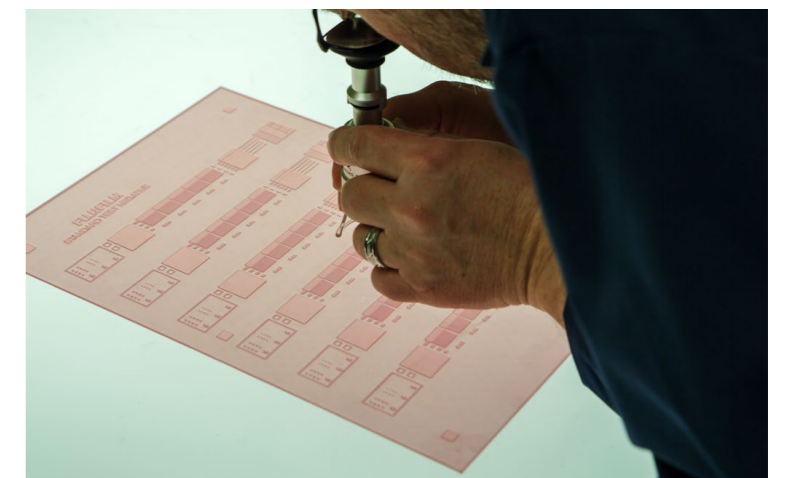
** Only available in 1.14 and 1.70 mm thicknesses

*** Fujifilm measurements



We're seeing a quicker turnaround on getting our high quality products to market and less downtime on our presses, which is increasing our capacity and enabling us to print more labels in less time."

Michelle Coetzee, Pre-Press Manager, MCC Paarl



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”.

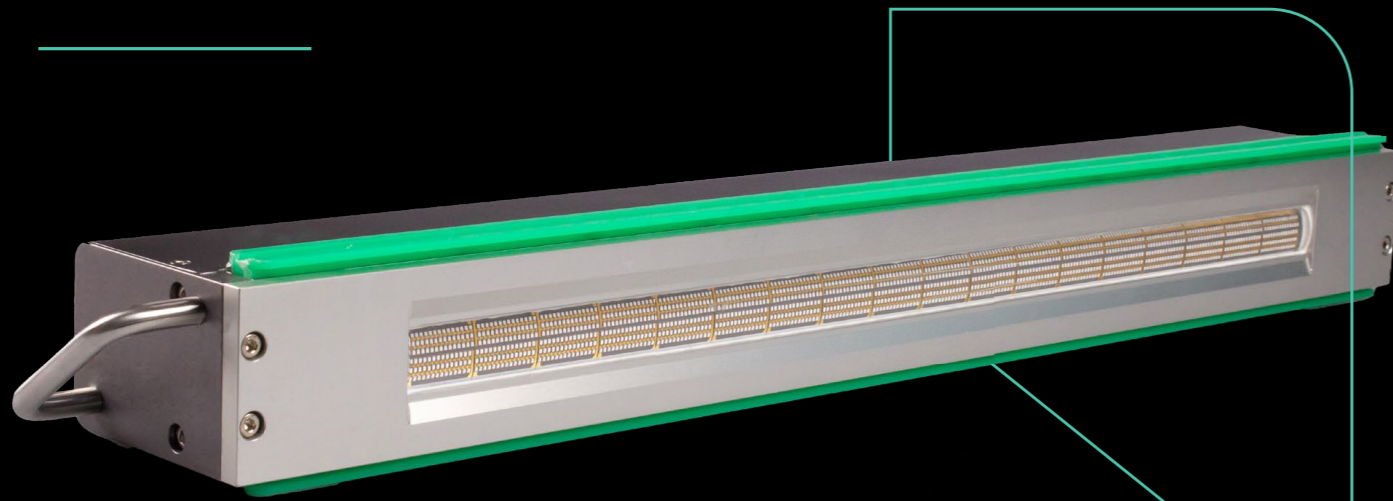


“Since adopting the Flenex plate, we have almost completely eradicated plate remakes, saving time and reducing associated waste polymer plates.”

Graham Faulkner,
Works Manager, CPI Books

LuXtreme LED UV curing system

Convert your UV flexo printing press to LED UV



Fujifilm's LuXtreme LED UV curing system, incorporating a new range of LED UV inks, can be used to convert any traditional UV flexo printing press to LED UV curing to deliver increased productivity and quality, greater application versatility, lower costs and reduced waste.

Why LuXtreme LED UV System?

- Up to 50% higher press speeds
- Up to 75% power reduction
- Eliminate VOCs and reduce waste

Productivity and quality improvements

Thanks to the high performance of the LuXtreme LED UV curing system, productivity and quality improvements are significant. Not only can press speeds be increased, but job set up and make ready times can be reduced as there is less material distortion due to heat.

Improved substrate stability also results in a more controlled ramp up to production speeds, and it is often possible to achieve the required colours much faster with Fujifilm's high performance CuremaX flexo ink system. Quality also becomes more consistent as the impact of the heat from the UV lamps is reduced, resulting in better registration and less substrate distortion.

Savings in energy, materials, labour and waste

Due to the reductions in power required for the LED UV lamps, cost savings can be made across the production process. The energy savings are significant, but material usage and waste are also reduced, and the lower maintenance required to support the LED UV curing system results in a much lower number of replacement parts, with lower associated labour costs.

Working environment improvements

The LuXtreme LED UV curing system has significant benefits to the working environment. Energy use is reduced, with no energy used in standby mode, and the lower amounts of materials used, and waste produced all have benefits. The working environment for operators is improved, with many undesirable factors eliminated or reduced, including heat from the conventional UV lamps, ambient noise and odour.

Key features

- High speed, up to 200m/min
- Suitable for heat-sensitive substrates
- Instant on/off with no energy used in stand-by mode
- Sustainable ozone and mercury-free system
- 30-60% fewer LEDs required to achieve same radiant intensity as other comparable systems
- 30-50% higher radiant intensity, up to 25W/cm²
- Special LED adapter allows easy integration on existing mountings
- Up to 50,000 hours LED life
- Up to 720mm lamp length, scalable in 24mm steps
- Fujifilm can take care of everything, from the decommissioning of the old system to the installation and commissioning of the new LuXtreme LED UV curing system

LUXTREME

Save energy, materials, labour and waste

Technical specifications

LuXtreme LED UV curing system	
Power consumption	90-100 W/cm
Dose @ 100m/min	200 mJ/cm ² ±10%
Radiant Intensity	20-25 W/cm ²
Ambient operating temperature	Max 35°C
Cooling	Water-cooled
Dimmability	20-100 % // 1 %-steps
Run-up time	< 1 s
LED lifetime	Up to 50,000 hours (at 70 % average power)
Wavelength	395 nm
LED suitability	Varnishes, pigmented varnishes, paints
Certification	CE-Mark, REACH; ROHS

High performance



CUREMA X

Narrow web inks

Fujifilm offers a comprehensive range of inks and associated products that are specifically designed to maximise throughput and simplify production on a narrow web press.

Fujifilm's UV and LED UV CuremaX inks for narrow web applications have the following key benefits:

Use more efficient print technologies

CuremaX ink products allow printers to use more efficient print technologies. A prime example of this is the development of class leading CuremaX LED curing inks that utilise the latest curing technologies that have significant energy savings as well as considerable savings in production.

Easy, accurate colour matching

Set up times can be reduced, and colour accuracy improved, thanks to the easy and accurate colour matching of CuremaX inks.

Improve the production process

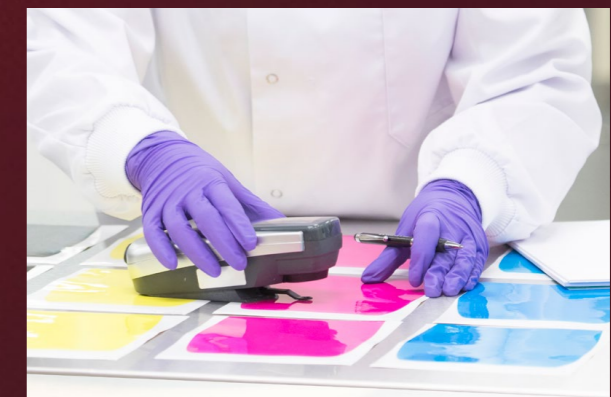
CuremaX inks allow printers to produce better, faster and cheaper output than was previously possible.

Technical support

All ink products and services are supported by an expert team who can demonstrate the key benefits and help printers to maximise press throughput.

Consistent quality

All CuremaX ink products are manufactured in a strict, high quality, industry-leading process controlled operation. This ensures Fujifilm delivers consistent, high quality inks each and every time.



CuremaX flexo ink ranges

CuremaX UV

UV cured ink range

CuremaX UV is a high gloss UV flexo ink system that incorporates a wide range of colours, process inks, metallic shades and specialist products.



Key features:

- Low viscosity press ready colours
- High colour density
- Adhesion to a wide range of synthetic substrates, including top coated PE & PP, PVC, PET, some thermal papers, metallised foils and most commonly available papers
- Suitable for a wide range of applications including self-adhesive labels and unsupported films for sachets and pouches
- Overprintable with thermal transfer ribbons and cold foil adhesives
- Good hot foiling properties
- Dedicated Pantone® formulation matching system
- A range of flexo sleeve whites for shrink sleeve applications
- Latest technology sleeve white products are available

CuremaX LED

LED cured flexo inks

CuremaX LED is an ultra-fast cured, high gloss LED flexo ink system incorporating a range of colours, process inks, metallic shades and specialist products.

The fast cure speed of CuremaX LED enables a wide range of anilox volumes to be used, which allows for deeper more saturated colours in the final print.

CuremaX LED is designed for use with Fujifilm's LED curing system, but is also compatible with most other available LED curing systems

Key features:

- Low viscosity press ready colours, with high colour density
- Similar colour characteristics to the CuremaX UV curing ink range
- Adhesion to a wide range of synthetic substrates Including top coated PE & PP, PVC, PET, some thermal papers, metallised foils and most commonly available papers
- Suitable for a wide range of applications including self-adhesive labels and unsupported films for sachets and pouches
- Over printable with thermal transfer ribbons and cold foil adhesives
- Good hot foiling properties
- Dedicated Pantone® formulation matching system
- Latest technology sleeve white products are available



CuremaX IDFC flexo ink ranges

The CuremaX IDFC flexo (InDirect Food Contact) ink ranges have been formulated to comply with the latest Nestle Guidance Note as well as the Swiss Ordinance Standard. The inks are manufactured in accordance with the European Framework Regulation and the regulations covering Good Manufacturing Practice (GMP).

The CuremaX IDFC flexo ink ranges differ from the other ink ranges as they allow printers to produce labels and filmic substrates that comply to the latest food packaging guidance and standards when the print does not come into direct contact with the food.

CuremaX LED IDFC

Dual cure ink system

The CuremaX LED ink range is a dual cure ink system formulated to ensure strong colour reproduction and fast curing under the latest LED lamp systems, including Fujifilm's LED lamp offering, with the added benefit of being able to cure under conventional mercury lamps, lowering inventory costs.



Key features:

- Low viscosity press ready colours
- High colour density
- Adhesion to a wide range of synthetic substrates, including top coated PE & PP, PVC, PET some thermal papers, metallised foils and most commonly available papers
- Suitable for a wide range of applications including self-adhesive labels and unsupported films for some sachets and pouches, and shrink sleeves
- Over-printable with most thermal transfer ribbons and cold foil adhesives
- Good hot foiling properties
- Latest technology sleeve white products are available

CuremaX UV IDFC

UV cure ink system

The CuremaX UV IDFC range is formulated to ensure strong colour reproduction and fast curing under conventional mercury UV lamp systems.



Key features:

- Low viscosity press ready colours
- High colour density
- Adhesion to a wide range of synthetic substrates, including top coated PE & PP, PVC, PET, some metallised foils and most commonly available coated papers
- Suitable for a wide range of applications including self-adhesive labels and unsupported films for some sachets and pouches
- Over-printable with most thermal transfer ribbons and cold foil adhesives
- Good hot foiling properties
- Latest technology sleeve white products are available

Digital solutions

Fujifilm's heritage and expertise in digital inkjet technology needs little introduction, but the detail of how this is being applied for packaging applications is less well known. Fujifilm has been a pioneer in inkjet technology since the late 1990s, with multiple solutions for wide format, commercial print and labels and packaging.

In addition, our newly launched Revoria range of digital presses is built on a 60 year legacy of technological excellence in toner research, development and manufacturing, within our Fujifilm Business Innovation division.



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 & printbar design
- Inks & substrates
- Electronics & 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

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.

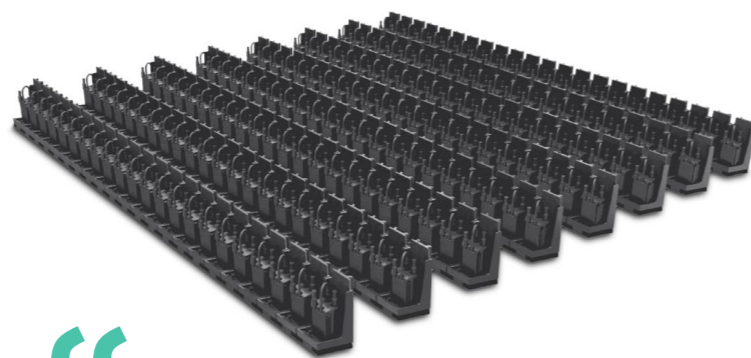
Due to the trapezoidal design of Samba printheads, scaling the printbar width is achieved with no compromise to quality, and results in a very efficient system design. In addition, the scalable system architecture means integrated components, electronic systems and software can all be scaled to create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



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

From a single printhead configuration...

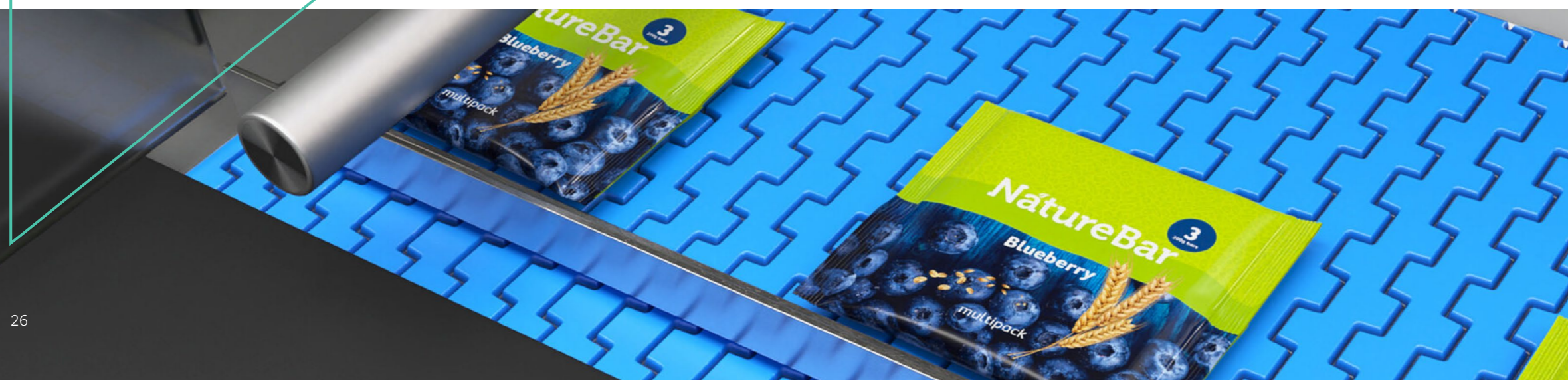


Easily scalable



...to complex multi-channel configurations

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.



Opportunities for inkjet to complement existing production processes

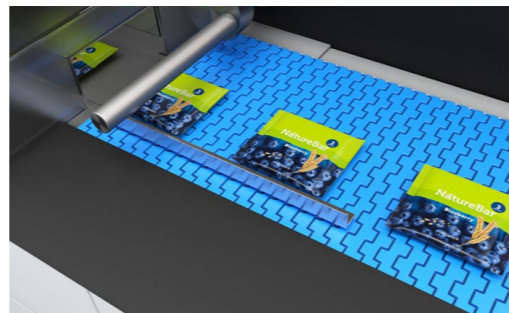
The Fujifilm imprinting range comprises a number of different scalable printbar solutions and formats, combined with a variety of different ink types. This means that there are opportunities for Fujifilm's imprinting solutions to be integrated onto many different types of production equipment, whatever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



1. Package converting in a web process



2. Package converting in a sheet process



3. Late stage packaging



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

Enhanced by inkjet



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.

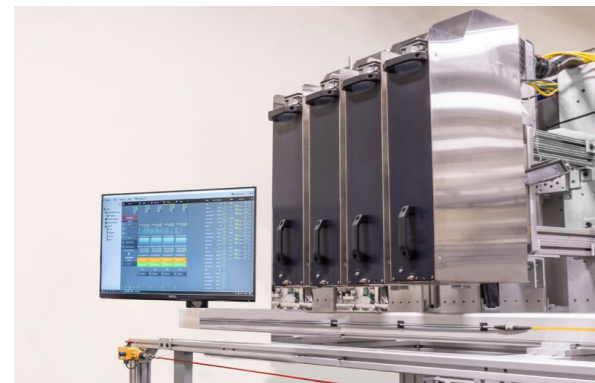


Key features

- 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

DE1024: digital embellishment for labels & packaging

The DE1024 digital embellishment printbar adds digital spot varnishing capabilities to your analogue or digital printing press. Create a gloss or tactile effect inline. Communicate the value of your product through look and feel.

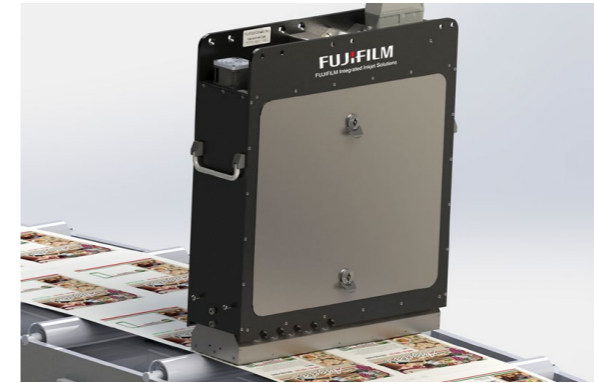


Key features

- Available in 33 and 50.8 cm print widths
- Single or dual printbar configurations for a range of thicknesses
- With integral web handling
- Available with lightweight 3IC Variable-Data Print File Creation software
- Curing lamp options

42K Printbar: scalable printbar system

The 42K printbar system is designed to give brand owners, packaging converters, and other industrial users, variable data printing capability as an integral part of their existing production lines.



Key features

- Pre aligned to eliminate stitching
- Options for monochrome, spot and 4-colour printing
- Configurable software with Fujifilm supplied workflow or connect to an existing customer workflow
- Imprint or full digital print capability
- Scalable print width in 41mm increments
- 300 m/min at 1200 x 300 dpi or 129.5 m/min at 1200 x 1200 dpi

46kUV: imprinting for labels & packaging

The 46kUV adds digital, variable data UV printing capabilities such as barcodes, text elements, and logos to flexographic and screen printers.



Key features

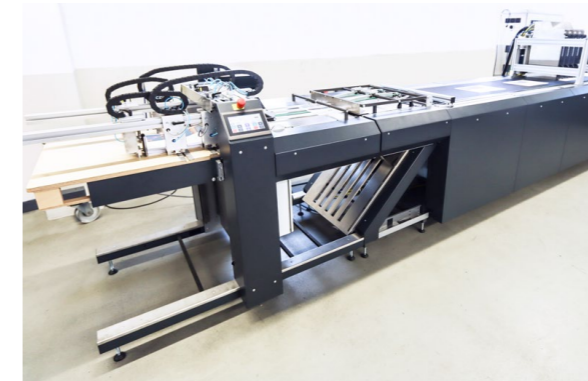
- Available in 33, 43.1, and 50.8 cm print widths
- Comes with integral splice avoidance
- Samba printheads producing 152 m/min at 1200x600 dpi
- Cleaning and capping module keeps the printheads clean and functioning
- Available with lightweight 3IC Variable-Data Print File Creation software
- Mercury & LED UV cure inks and IDFC compliant options





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

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)



The Fujifilm imprinting system gives us more up-time, shorter set-up times, and results in far less waste."

Bernd Wein, Operations Director, Direct Mail Paragon Customer Communications

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 label and packaging 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

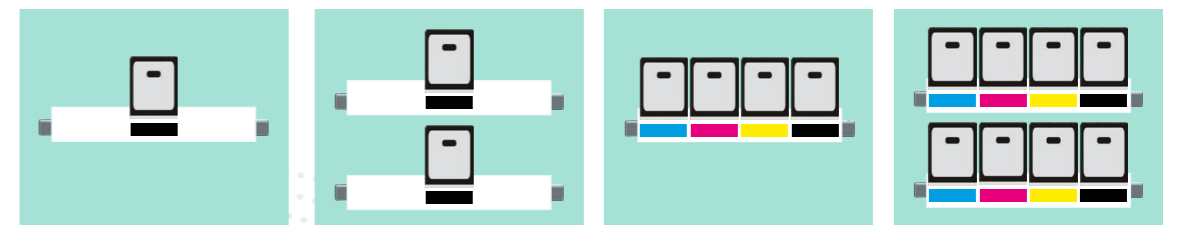
- Image compensation
- Print quality inspection
- Automatic nozzle plate cleaning
- Automatic printbar positioning
- Automatic printbar capping



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		

Jet Press 750S High Speed Model

Delivering exceptionally consistent, high quality output on carton board or synthetic media, the Jet Press 750S High Speed Model meets the needs of brand owners and specifiers looking to reduce stockholdings, optimise supply chains and produce customised packaging in much shorter and more frequent runs. In fact, around one third of all current European Jet Press customers already produce some form of packaging on the press. Capable of speeds up to 5,400 B2 sheets per hour and variable data printing at full speed, the Jet Press is ideally suited to print versioned, short run packaging material to coincide with specific events, localities or store promotions.



Consistent, high quality



Support for heavier weight folding carton stock

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.

In addition, the 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 37%.

Finishing solutions

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.

Food safe ink

Fujifilm is able to offer a food safe ink for use on the Jet Press 750S Standard Model, making it the first B2 digital press approved to print primary food packaging. This new, low migration, aqueous food safe ink complies with stringent primary food contact regulations, including Swiss Ordinance

817.023.21 and European Commission Regulation 1935/2004, and has been specially formulated to work with inline (via a bridge) and nearline UV or aqueous coatings.

Spot colour capability and XMF ColorPath Brand Color Optimiser

One of the key advantages of the Jet Press in High Quality mode is its enhanced colour gamut that allows more spot colours to be printed with just four CMYK inks, without the expense of special inks or toners to boost the colour. This makes it ideal for the production of folding carton packaging. In addition, via a simple calibration process within Fujifilm's XMF ColorPath Brand Colour Optimiser module, it is possible to profile the entire Pantone library for any chosen media type to ensure that every Pantone colour will be printed as accurately as possible.

What is unique to Brand Color Optimiser is the ability to see how accurately a Pantone colour will be printed within a specific delta E variance, before actually printing. This means decisions about printing a specific job can be made up front, and no time is wasted trying to achieve what is not possible.



As a packaging business, sustainability is at the forefront of our customers' minds. With our Fujifilm Jet Press investments, we make significant savings on waste, downtime, and consumables, helping us and our customers to contribute to a more circular economy."

German Brodbeck, CEO, Ebro Color



A fourth generation press engineered to produce high quality print all day, every day

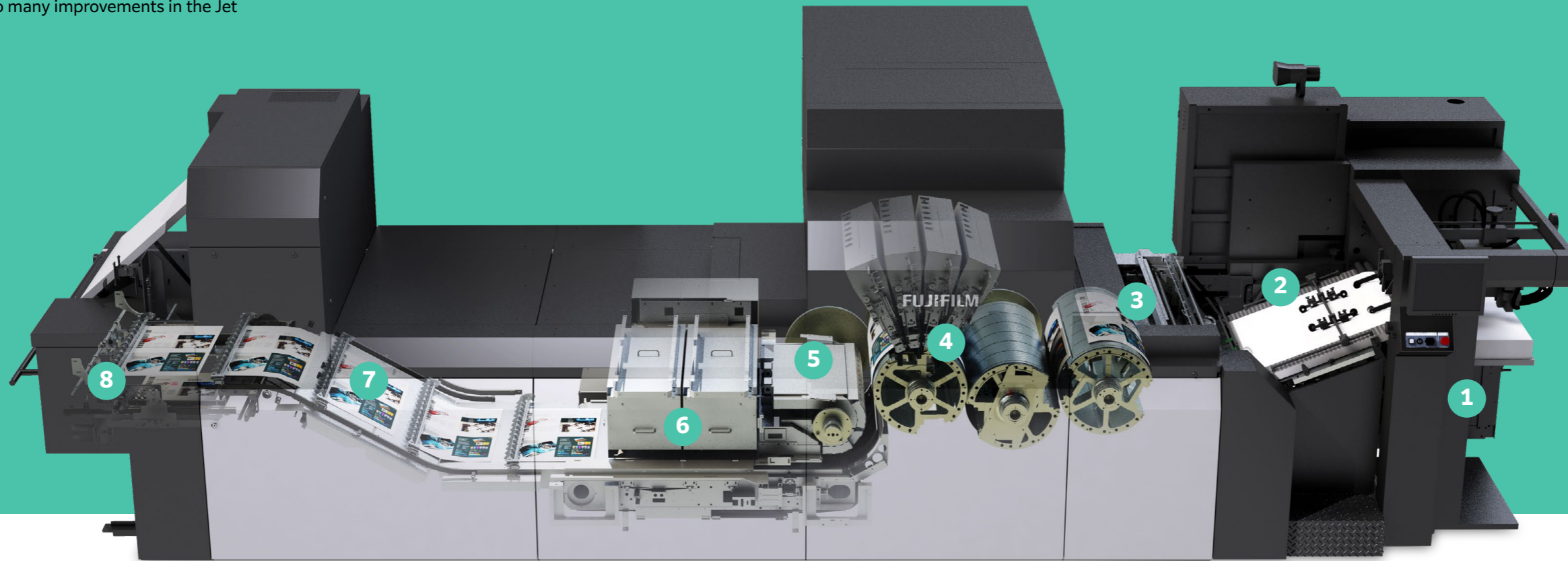
The Jet Press 750S High Speed Model has been built to produce high quality print all day, every day. The benefits of an offset paper handling system are obvious, and take advantage of technology that has evolved over many years to be ultra-reliable. But there are also many improvements in the Jet

Press detailed on this page that improve quality even further, improve variable data handling, speed up job downloads, reduce the necessity for system downtime and minimise breaks in production due to press maintenance.



Ultra-high capacity data servers

The servers are capable of transmitting variable data alongside printed output, facilitating efficient variable data production at the full press speed of 5,400 sheets per hour.



Sheet stacking

The final printed sheet emerges in the delivery area in the same way as a traditional offset press. The non-stop running capacity can be expanded with the High Capacity option.



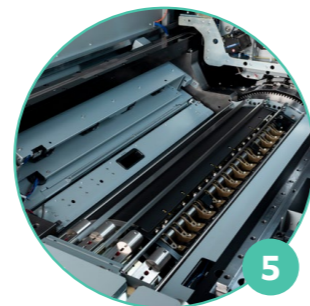
Paper cooling

Before the sheets leave the press, they pass under a bank of fans designed to optimise the sheet temperature and ink drying performance.



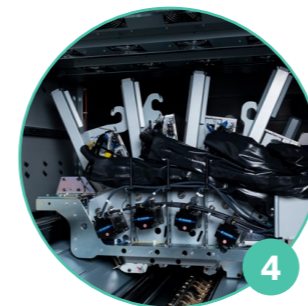
Optimised drying system

The drying system features a transport belt heated via rollers, with a vacuum applied to the sheet as it passes through this section. Drying is carried out via the heated belt and hot air applied from above. The vacuum ensures the heat is applied uniformly, keeping the sheet stable, and optimising the drying process.



Nozzle correction

Every sheet is scanned by the In-Line Sensor (ILS) with the system making any necessary alterations in real time. The system is mounted just after printing to ensure any adjustments are applied dynamically throughout the run.



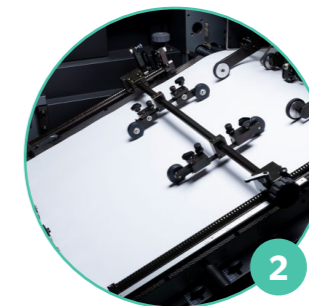
New Samba printheads

The paper is fed onto the imaging cylinder where it is held by grippers and a vacuum, and four Samba print bars deposit the CMYK inks in a single pass. The unique vacuum system significantly enhances print quality and consistency.



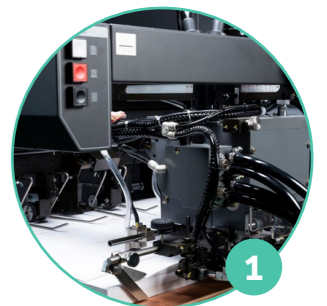
Paper priming

The primer unit applies an ultra-thin film Rapid Coagulation Primer onto the paper via an anilox roller mechanism (in High Quality mode). The reaction of the primer and the water-based ink produces incredibly sharp dots and vibrant images on standard B2 coated paper.



Variable data scanning

To handle double sided variable data applications, a barcode is printed in the non-image area of every sheet. When the sheet is backed up, the barcode is read and the press downloads the right data for that sheet before printing.



Paper feed

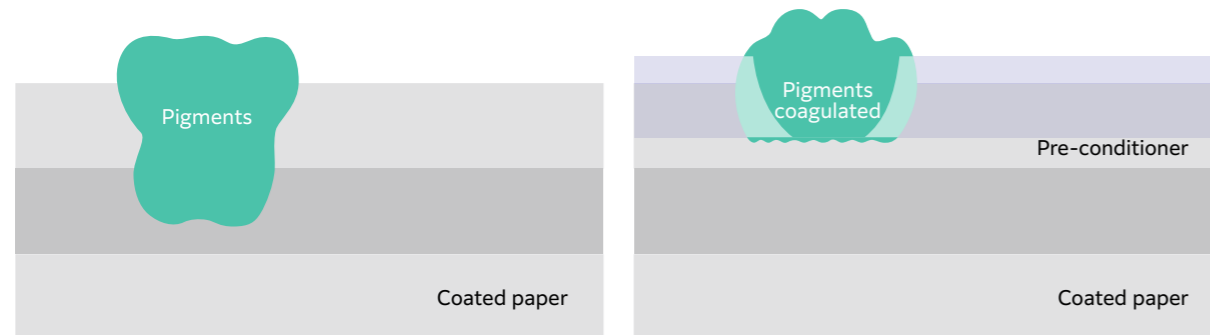
Traditional sheet-fed paper feed mechanism ensures high registration accuracy and reliable operation. The non-stop running capacity can be expanded with the High Capacity option.

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

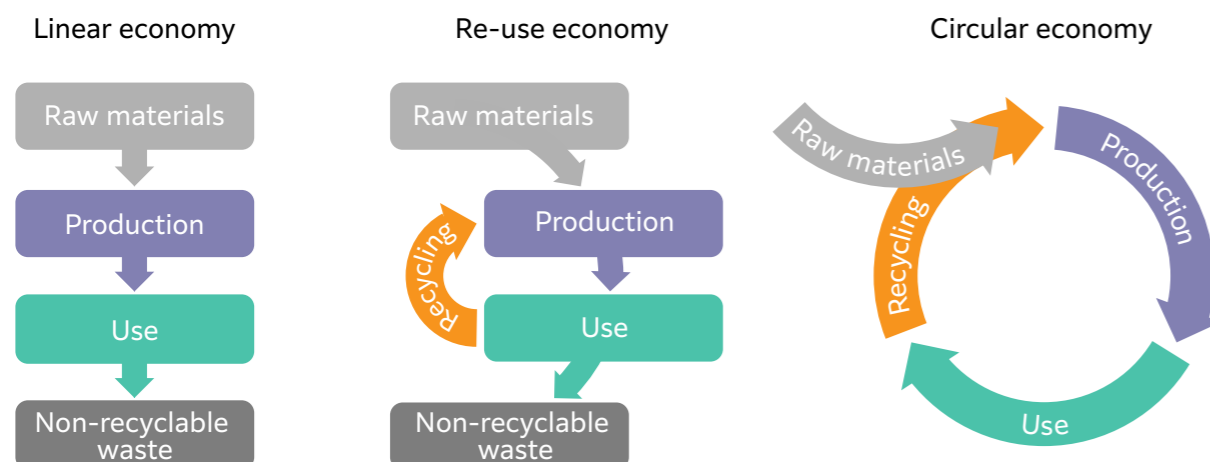
Jet Press in High Quality mode

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

Printing for the circular economy

The Jet Press 750S High Speed Model is a non-contact printer. In addition to the fact that non-contact printers are less subject to wear and tear, they use far fewer consumables before, during and after the production process compared to a

traditional analogue press and there is virtually no waste. In contrast to traditional analogue production, non-contact printers do not require the transfer of the image from one surface to another.



Technical specifications

Jet Press 750S High Speed Model	
Printing	
Printheads	Next generation Samba printheads
Colours	4 colour, CMYK, extended gamut (High Quality mode)
Resolution	1,200 x 1,200 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	7.35m (L) x 2.65m (W) x 2.05m (H). The height when cover is open is 2,293 mm
Space requirements	10m x 5.2m x 3m 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
Inks, Primer and Wash	
Inks, Primer, Wash	VIVIDIA HS CMYK inks (High Speed 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
Fujifilm's food safe ink is compliant with the following regulations and standards:	
Compliant with Food Contact Materials - Regulation (EC) 1935/2004	
Compliant with Swiss Ordinance on Materials and Articles in Contact with Food (SR 817.023.21) as listed in annex 2 and 10 (lists A and B) - 01.05.2017 edition	
Independently tested and certified as compliant with Commission Regulation (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food	
GMP (Good Manufacturing Practice) is installed and implemented as part of Fujifilm's ISO 9001 Standard intended to come into contact with food	
(EC) No. 1907/2006 (REACH) - no with more than 0,1 weight from appendixes XIV and XVII acc. (Reference date: July 2017)	
Independently tested and certified to be compliant with EN 71-3	
Compliant with Regulation (EU) 528/2012 (Biocide Regulation)	

Revoria

Press PC1120

The Revoria Press PC1120 is a highly flexible, high quality, six colour toner-based digital press that can be used for a wide variety of label and carton packaging applications. The ability to print metallic colours, versatile media handling and superb finishing flexibility, make this press an indispensable tool for label and carton converters.

With an unlimited combination of effects and finishes, the Revoria Press PC1120 is uniquely capable of producing high quality pieces with the quality and consistency required from runs of one to several thousand. Combining multiple versions and colour ways with personalised information is now a reality for the packaging of personal and corporate gifts, adding real value for converters, brands and retailers.

Six colours and enhancements in one pass

In addition to CMYK wide gamut colours, the Revoria Press PC1120 can print combinations of white, silver, gold, clear and even pink enhancements in one pass of the substrate through the press. This opens up a world of creative possibilities for labels and cartons.

Flexible substrate support

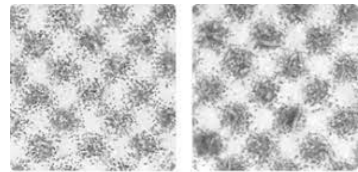
The Revoria Press PC1120 is built to handle heavy carton board at 400 gsm, light 52 gsm label stocks and thin papers for lamination and everything in between. The offset-like air suction feeder eliminates feeding issues with challenging materials of all weights and finishes that would otherwise be prone to sticking, even up to 1200 mm in length. Static build-up after printing is reduced with a static eliminator to produce easily manageable stacks of synthetic substrate labels and thin stocks. Printing thinner stocks and pre-glued labels is also helped by the lower running temperature of the press - this is thanks to Fujifilm's Super EA-Eco* toner that fuses with 20% less heat than previous technologies.

Unlimited creative possibilities



Effects to optimise labels & packaging

The Revoria Press PC1120 combines capability and simplicity to help deliver a stunning range of creative print without the inconvenience of workarounds that are likely with other presses. Combine multiple effects and enhancements to achieve more in a single pass. Enhance your productivity, create more value, deliver business growth.



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.



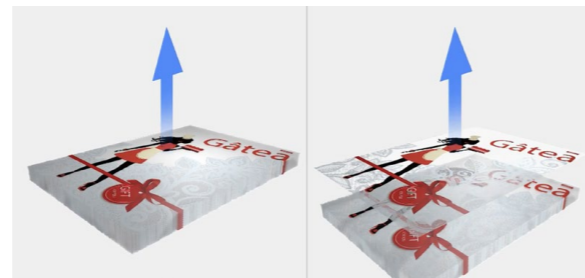
Optimise images with pink

Skin tones of any hue are smoother when you add pink toner to the mix. Fujifilm's AI expertise automatically manages the balance between cyan and pink to give perfect results every time. Pink also adds a wider range of printable colours, increasing the gamut in purple, orange and yellow shades.



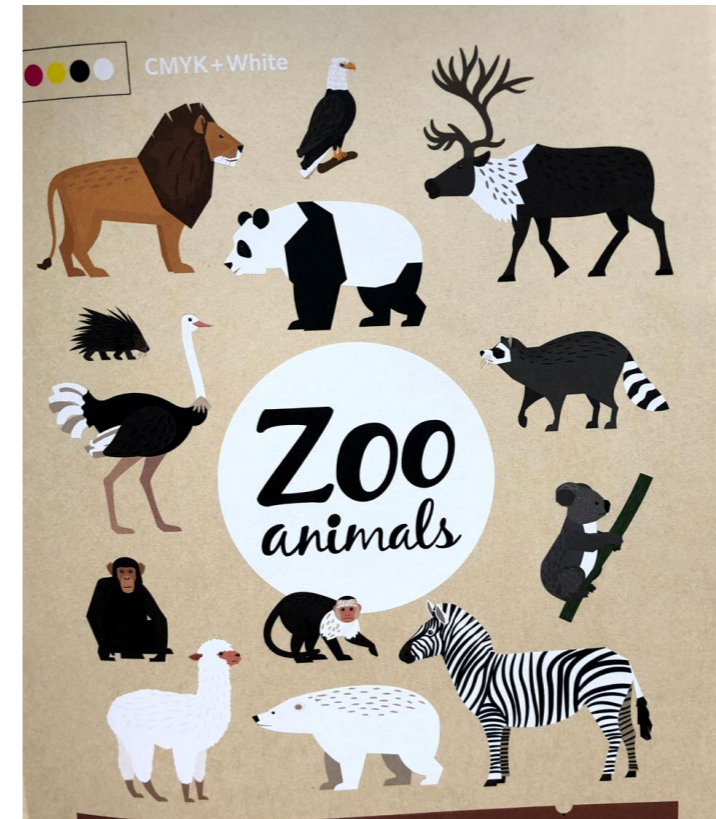
Highlights are a clear winner

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.



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.



Be brilliant with high opacity white

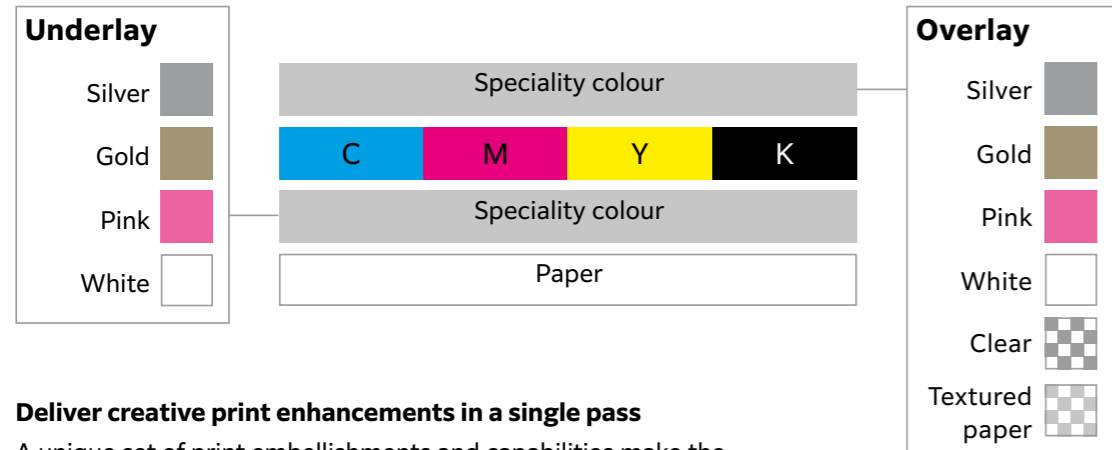
The Revoria Press PC1120's ability to print high opacity white is essential for window clings, labels and stickers on transparent media and opens up a world of possibilities on darker paper and board.

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.



Six colour engine with both under and overlay



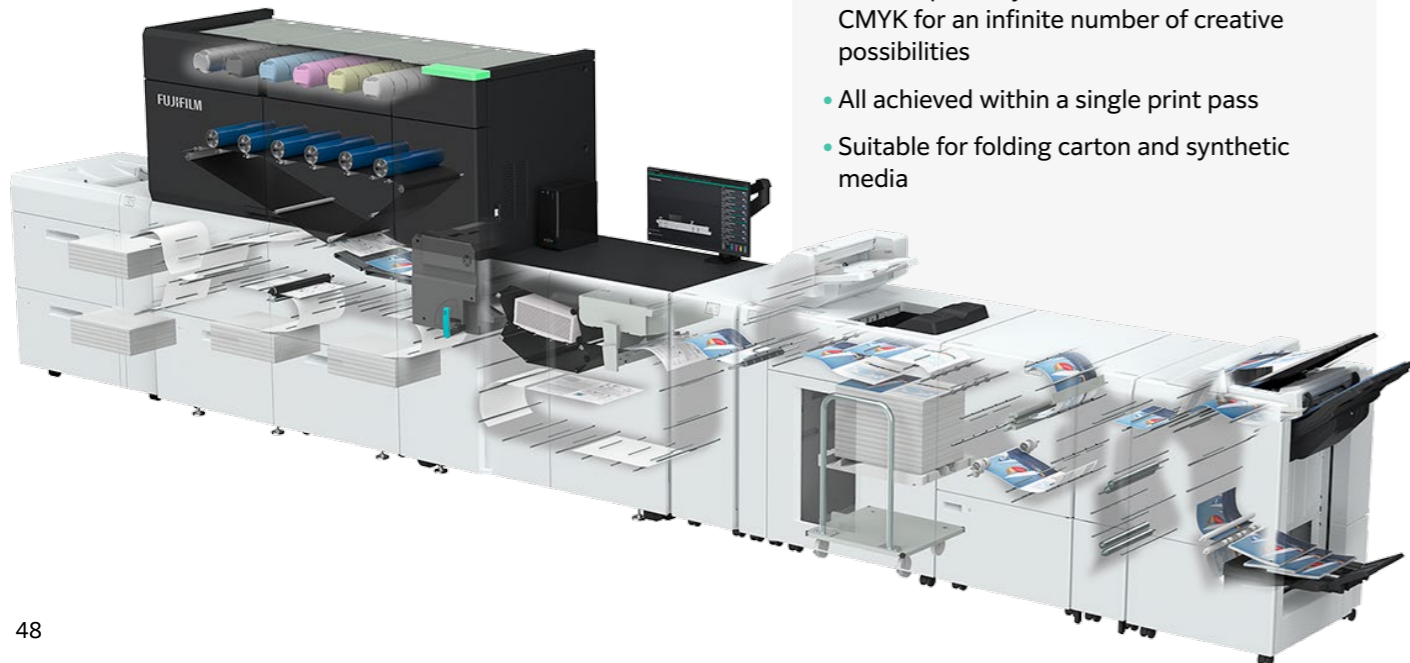
Deliver creative print enhancements in a single pass

A unique set of print embellishments and capabilities make the Revoria Press PC1120 an indispensable tool for label and carton converters. For example, white can be combined with CMYK for printing with impact on metallised and coloured substrates. For clear foils, white can be printed from one or two positions, before and after CMYK and all in one pass. Combine silver or gold with CMYK to access a range of over 500 additional metallic colours. With the addition of a speciality pink toner, the gamut can be increased to match more pantone colours and enhance the appearance of images.

One of these additional print positions can also be used for a treatment that ensures the printed image reaches the depressions and indentations on textured and embossed stocks, extending the range of printable media even further.

Key features

- Industry-leading opacity for speciality colours
- Speciality toners include white, gold, silver, clear, pink, and textured finishes
- Print a speciality toner both before and after CMYK for an infinite number of creative possibilities
- All achieved within a single print pass
- Suitable for folding carton and synthetic media



Full configuration



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

Output options

- Interface Decurler Module D1**
Real-time paper curl correction
- Inserter D1**
Cover / sheet insertion
- Static Eliminator D1**
Eliminate static electricity
- High Capacity Stacker A1**
5000-sheet offset-stacking
Single and dual combinations
Stacker cart
Long sheets output
- Crease/Two-sided Trimmer D2**
Two-sided trim
Crease
- Folder Unit CD2**
Z fold half sheet
Tri-fold
- 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
- Square Back Fold Trimmer D1**
Face trim
Square back
Offset Catch Tray
Offset stack
Long Catch Tray
Long sheets stacking



Feeding options

<p>High Capacity Feeder C3-DS + Multi Sheet Inserter*1</p> <ul style="list-style-type: none"> Air assist Multi-feed detection <p>2000 sheets x 2 trays + 250 sheets Maximum SRA3, 330 x 488 mm</p>	<p>2nd High Capacity Feeder C1-DS + High Capacity Feeder C3-DS + Multi Sheet Inserter*1</p> <ul style="list-style-type: none"> Air assist Multi-feed detection <p>2000 sheets x 4 trays + 250 sheets Maximum SRA3, 330 x 488 mm</p>	<p>Air Suction Feeder C1-DS*2</p> <ul style="list-style-type: none"> Air suction Multi-feed detection <p>2100 sheets x 2 trays + 250 sheets Maximum SRA3, 330 x 488 mm</p>	<p>Chained Air Suction Feeder C1-DS-L*2 + Chained Air Suction Feeder C1-DS-R</p> <ul style="list-style-type: none"> Air suction Multi-feed detection <p>2100 sheets x 4 trays + 250 sheets Maximum SRA3, 330 x 488 mm</p>
<p>Air Suction Feeder C1-DSXL*2 + Banner Unit for Air Suction Feeder C1-DSXL</p> <ul style="list-style-type: none"> Air suction Multi-feed detection Long sheets feeding <p>800 sheets + 2100 sheets + 250 sheets Maximum 330 x 1200 mm (Upper tray)</p>	<p>Chained Air Suction Feeder C1-DSXL-L*2 + Chained Air Suction Feeder C1-DS-R + Banner Unit for Air Suction Feeder C1-DSXL</p> <ul style="list-style-type: none"> Air suction Multi-feed detection Long sheets feeding <p>800 sheets + 2100 sheets x 3 trays + 250 sheets Maximum 330 x 1200 mm (Upper tray)</p>		

Key specifications

Productivity	120 ppm even when printing in six colours colours and any paper weight
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

*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

Jet Press FP790

Digital inkjet press for flexible packaging

mainstream
redefined

In 2011, Fujifilm launched the Jet Press range of inkjet digital production presses to the global commercial printing market. Since that time, Fujifilm has installed more than 300 presses worldwide, with the press having achieved industry acclaim for setting a new standard in print quality, superseding even offset.

Fujifilm is now applying these industry-leading technologies and know-how to flexible packaging. Using its unique expertise in world-class inkjet system development, Fujifilm is now able to offer packaging converters an exceptional opportunity with its new Jet Press FP790 digital platform.

The Jet Press FP790 has been designed to help printers and converters adapt to changing market dynamics that are driving shorter print runs and product life cycles whilst also adhering to the regulatory requirements of flexible packaging.

The Jet Press FP790 digital press could be considered to be three presses in one, able to:

- Print digitally, with all the benefits of digital production
- Print mainstream flexo jobs
- Print rotogravure quality jobs



Suitable for mainstream flexible packaging

The Jet Press FP790 digital press has been designed to be suitable for mainstream flexible packaging applications, thanks to a number of key features. Firstly, the Jet Press FP790 digital press produces ultra-high print quality, wide gamut print similar to the Jet Press 750S, making it possible to convert analogue flexo and rotogravure jobs to digital.

The press can also run at high productivity levels, with a print speed of 50 m/min irrespective of the ink colours, and very high uptime contributing to the overall performance. Critically, the Jet Press FP790 is also able to fit into existing production processes with no other capital investments.

High productivity

The maximum substrate width is 790mm (31 inches) with a productivity of 50 m/min (164 feet per minute), no matter the number of colours. The high machine uptime and ability to change printing jobs and design adjustments within a matter of minutes contribute to the overall improvement of production efficiency of the entire factory.



Wide colour gamut and ultra-high quality

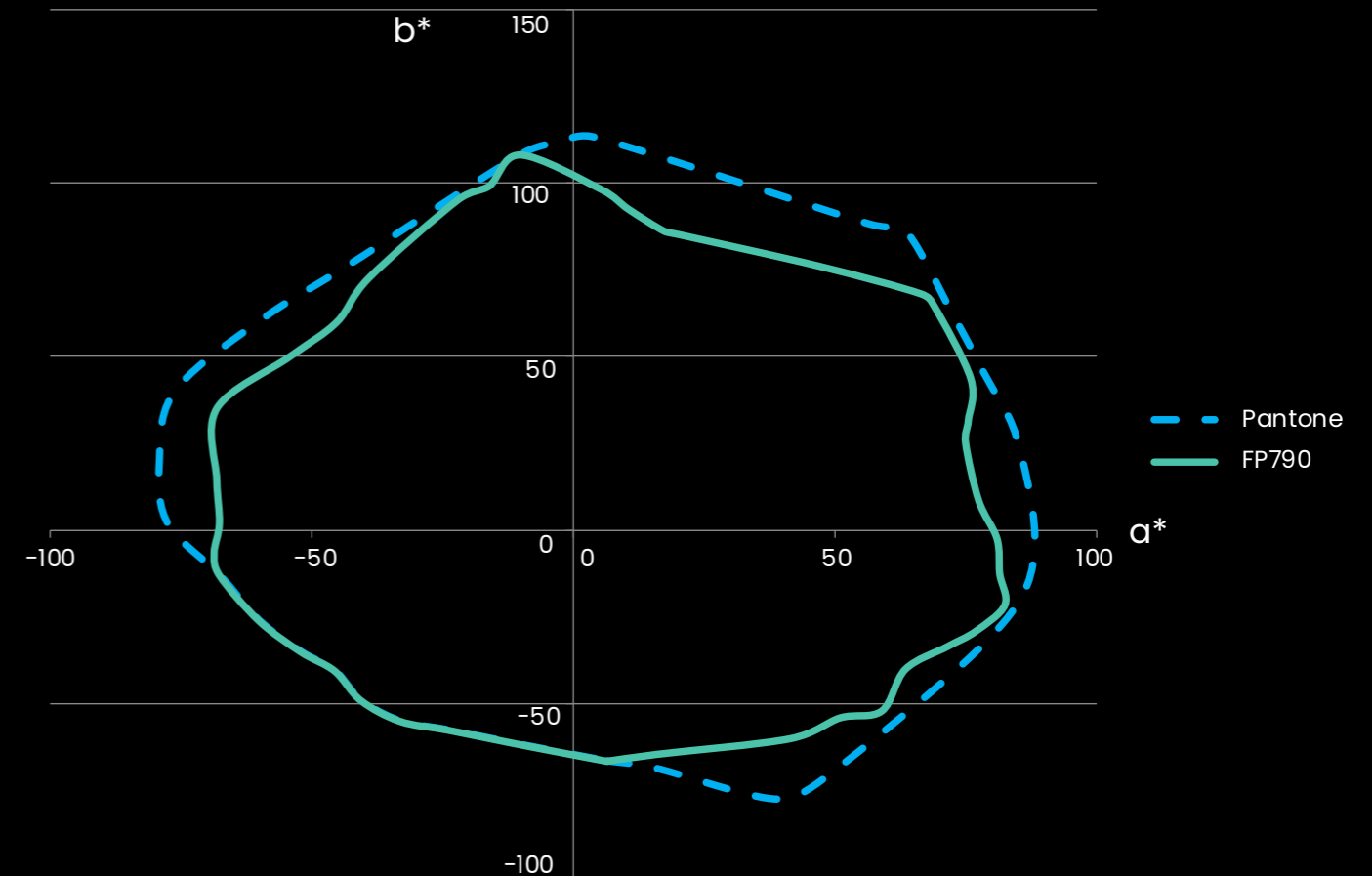
Using 1200 X 1200 dpi resolutions with CMYK inks, the Jet Press FP790 can achieve more than 90% of the Pantone® colour gamut, while also using two white ink channels for delivering high white opacity, all achieved with unprecedented colour stability. The wide colour gamut allows converters to achieve special brand and spot colour matching with no need for additional special inks.

A simpler print process producing minimal waste

Fujifilm employs water-based primers and inkjet technologies, which meet or exceed all regulatory requirements for flexible packaging printing. The Jet Press FP790 is also able to minimise waste, reduce the number of consumables associated with traditional analogue production, and totally eliminate all elements of the plate-making process.



Comparison of the color gamut of Jet Press FP790



Displayed L*a*b* space in a*b* plane



Jet Press FP790 at a glance

Water-based priming
Treatment process to ensure ink adhesion for different substrates

Digital print unit (cmyk) and drying

High resolution
New 1200 X 1200 dpi printing heads enable highest quality printing. Ability to do heavy coverage and small type.

Vibrant colour
Colour density is much higher than existing flexo and digital. Able to hit 90.5% of Pantone gamut with CMYK

Automatic register
Controlled within +/- 0.15mm

Unwinder

Inline corona

Creates surface tension of the substrate for better wettability, adhesion and print quality.

Digital print unit (ww) and drying

High opacity digital white. Two digital white inkjet channels hitting 55-58% opacity.

Image inspection

Inspection technology in order to ensure print quality, capture defects & reduce waste

Rewinder

Fits existing production processes

With the challenging demands of the flexible packaging market, particularly the short turnaround times and regulatory requirements, Fujifilm has carried out extensive testing of printed output from the Jet Press FP790 with various laminating, slitting and finishing processes, to ensure customers of the press are in the best possible position to maximise the production opportunities from day one.

Fujifilm extensively tested Henkel's renowned portfolio of laminating adhesives to ensure compatibility with the Jet Press FP790 ink as well as verify adhesion properties and lamination performance in post-press production, to guarantee the highest quality output. Given the excellent results and positive outcomes from these rigorous tests, Henkel's solvent-free laminating adhesives are Fujifilm's recommended solution for use with the Jet Press FP790.

Fujifilm also successfully tested Nordmeccanica's Simplex range of two-layer laminating machines for solvent-less adhesives. In addition, it will enable packaging converters to remain compliant with the increasingly stringent environmental regulations that are now commonplace throughout the industry.

By collaborating with renowned and leading manufacturers of pre-press and post-press technologies, Fujifilm can clearly demonstrate that its new Jet Press FP790 is fully compatible and integrates effortlessly into existing production environments offering a 'plug and play' digital solution that delivers the highest quality finished packaging with minimal testing, training or setup.

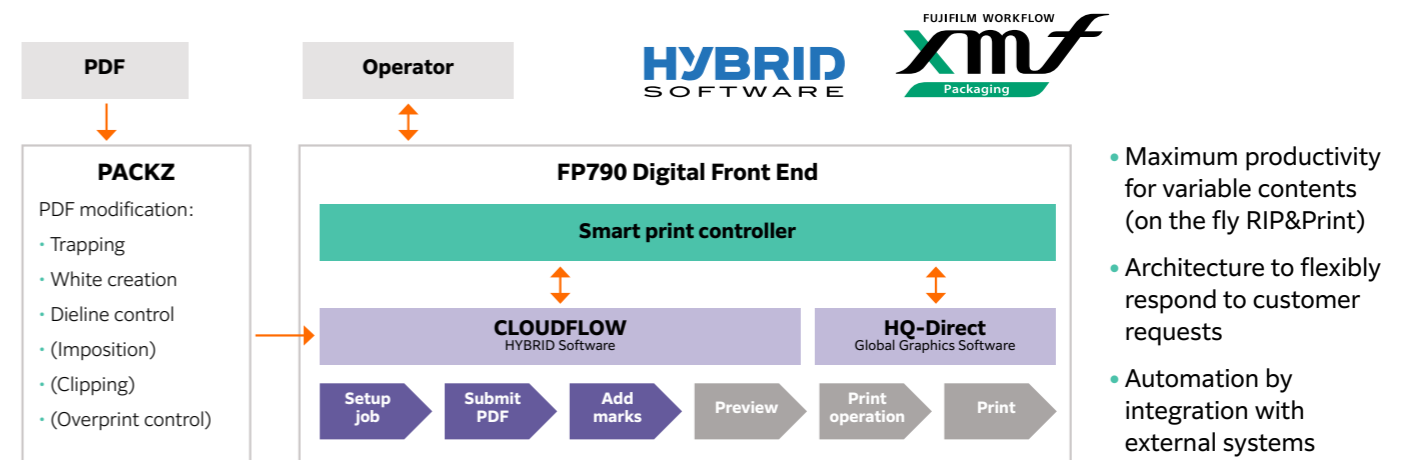


XMf Packaging

Fujifilm's Jet Press FP790 features a unique smart Digital Front End (DFE) called XMf Packaging. This unified workflow solution was developed specifically by HYBRID Software to optimise the productivity and output of Fujifilm's press.

XMf Packaging is the first of its kind to be developed by a software company for use in the packaging market, and is a result of a close working partnership between Fujifilm's R&D team and HYBRID's specialist software developers.

Based on proven technology, the web-based, open architecture production workflow offers fully automated pre-press functionality to ensure the Jet Press FP790 press offers accelerated turnaround times, maximum productivity and reduced operating costs. In addition, its modular configuration allows for greater workflow expansion and upstream customisation to cater for specific user requirements.



Technical specifications

Jet Press FP790	
Printing method	Water-based inkjet, single pass
Print speed	50m/min 164 fpm - regardless of the number of colors
Image resolution	1,200dpi x 1,200dpi
Maximum image size	733mm, 28,9in
Substrate width	520mm - 790mm, 20,5in - 31in
Substrate thickness	12 to 40 microns
Substrate material	PET, BOPP and most common media's (With preliminary test)
Main application	Flexible packaging for food and non-food, reverse print
Un-winder	Max roll diameter: 600mm, Max roll weight: 200kg
Re-winder	Max roll diameter: 600mm, Max roll weight: 200kg
Dimensions	Width: 12,000mm, Height: 2,400mm, Depth: 2,500mm
Weight	16,500kg
Minimum floor space	16,090mm x 8,060mm incl. auxiliary equipment and work-space
Power-supply voltage	200V and 400V
Ink	Water-based pigmented ink, 5colors FP790-Cyan, Magenta, Yellow, Black and White
Pre-conditioner	Water-based coating liquid



Fujifilm has forged partnerships with a number of leading software suppliers to support its analogue and digital printing solutions.

These include Tilia Labs' Phoenix smart layout solution, designed to help optimise label and packaging production, and CLOUDFLOW and PACKZ from HYBRID Software, which are dedicated DFE and pre-press editing and process automation solutions.



Software Partnerships

CLOUDFLOW – Enterprise Packaging Workflow System

CLOUDFLOW, from HYBRID Software, is a modular production workflow suitable for file processing, asset management, soft proofing and workflow automation. It is a web-based application platform specifically tailored for packaging graphics, with support for PDF, color separation, trapping, screening, proofing and much more. Altogether, the functionality within CLOUDFLOW is open, adaptive, scalable, complete, process-driven and has a flexible licensing model.

Workspace

The foundation for any CLOUDFLOW configuration:

- Web-based
- Central database for all CLOUDFLOW applications
- File and asset management
- Automatic indexing and metadata generation
- User management and permissions
- Workflow engine
- Distributed processing
- Full REST API allows access to all CLOUDFLOW functions

Cockpit

- Process management application for print production of labels and folding cartons
- Job and item properties driven by existing ERP/MIS via standard XML or custom integration
- Includes process and workflow templates for file management, approval, correction cycles, pre-press, and step-and-repeat
- Extensible and fully customizable using CLOUDFLOW's Pagebuilder HTML editor

Jobs

- Presents job information in a graphical user interface
- Automatic creation of job related folder structure
- Easy search and access to files in existing jobs
- Execution of pre-press and approval tasks based on job info
- Call existing item or job for re-run with same or modified properties

Proofscope

Turnkey solution for soft proofing and collaboration:

- Central proofing & collaboration engine
- Display, check, comment and compare
- View layers, separations & metadata
- Supports PDF, TIFF, PSD, JPG, 1 Bit TIFF
- Also visualizes 3D: Collada, IC3D
- Dynamically configurable in the workflow
- Integrate as viewing tool in apps
- The only requirement: HTML 5 Browser

Packzflow

Pre-press automation based on native PDF files

- Unmatched speed: 64-bit multi-processing and multi-threading
- Full customizable workflows
- Complete set of pre-press functions, such as document preflight and correction, separation handling, barcodes, transformations, trapping, flattening and many more



Open, adaptive, scalable

- Advanced Step & Repeat for labels, flexible packaging, folding cartons, spiral wraps, etc.
- Variable data processing
- Creation of job info panels, slug-lines, bearer bars, etc.
- Optional gravure export

Datalink

Connectivity and data collection

- Data exchange with ERP, MIS, W2P, CRM, ...
- Automatic data adjustment
- Status feedback
- Avoids double and incorrect entries
- Extended options for automation
- Universal interface technology
- Ticket formats (XML, JDF, JSON, ...)
- Web service access (REST, SOAP)
- Database communication (SQL)

PACKZ

PACKZ is a comprehensive PDF editing software solution for efficient pre-press processes, including native PDF editing, step and repeat, and VDP. PACKZ shifts pre-press production into a higher gear with the unique blend of automated actions - Pactions, and dedicated pre-press tools. With its editing and quality assurance functions, this professional PDF editor makes designs print-ready for any printing process.

PACKZ provides bespoke solutions for pre-press experts who require high efficiency, quality, and performance in preparing packaging files for conventional or digital printing.

Complex layered artwork can be viewed in colour and wired mode simultaneously, and object-based screenings can be inspected per separation. The Press Preview guarantees artwork quality and consistency, professionally managing spot colours and transparency interactions as well as press gamut conversions. Press Preview is there to support the growing demand for environmentally friendly and sustainable packaging. The functionality supplies professionals with instant views of how artwork, especially spot colours which are critical to brands, are printed under various printing conditions. In many cases, accurate colours can be printed with fewer inks, less plates, and faster press speeds. Spot colours can be defined as named Pantone™ colours or specified directly using the CXF standard.

The PDF editor enriches designs with priming and finishing separation, handles ink sets and object-based screening, applies trapping and generates dynamic marks and panels on single designs and step and repeats. The application also produces unique engaging one-to-one packaging and personalised labels with the VDP wizard, produces warp and live 3D visualisations for shrink sleeves, folding cartons, and even optimises substrate utilisation using numerous step and repeat solutions, and more. Running on OS-X and Windows, the adaptive multi-display work environment in PACKZ ensures maximum performance and usability.

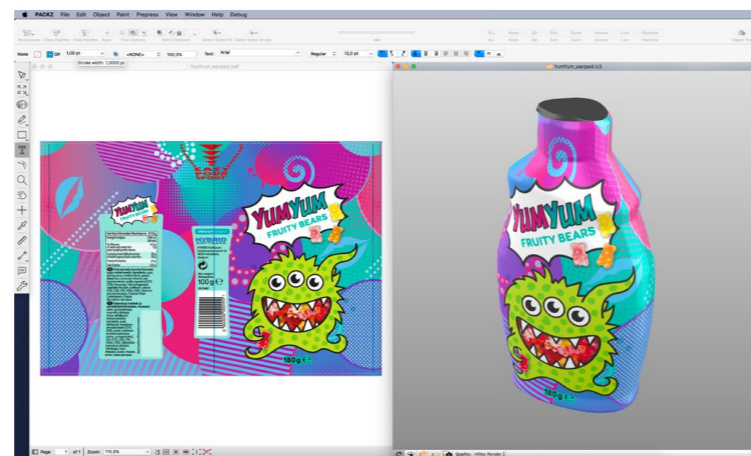
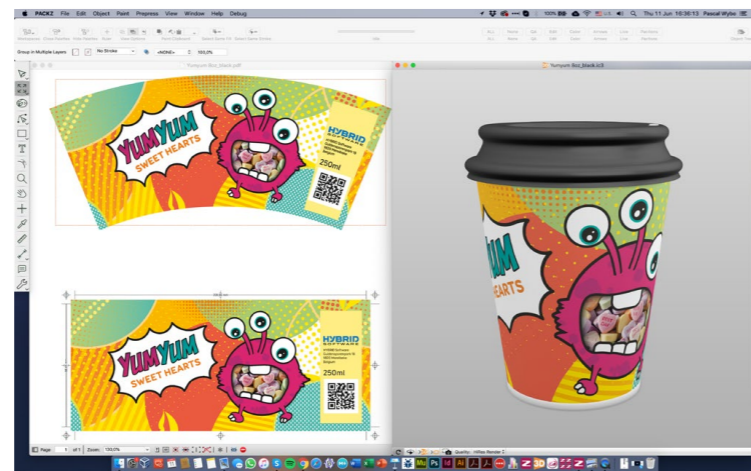
The Hybrid Store inside PACKZ provides users with ready-made templates, dynamic marks, and metadata export filters quickly as required for new production methods or job types.

PACKZ has also powerful features allowing print service providers to transform PDF artwork templates into standard XML markup language, with the ability to drive high quality dynamic artwork creation from their ERP or MIS systems.

This results into optimised processes to adapt nutrition panels, but also into creative variations of text, linework, colour and images in digital print-on-demand web solutions.

The PDF editor also has tools to create Digimarc digital watermarks, which encode the artwork surface with an imperceptible pattern for new data insights, and smart packaging recycling for a circular economy.

packz.hybridsoftware.com



Phoenix

Tilia Labs Phoenix software is an AI-driven, smart layout solution designed to help optimise label and packaging production and reduce waste.

Key features

- Comprehensive imposition AI algorithms evaluate the most efficient way to run production
- Expansive set of software tools ensure the best performance
- Smarter marks for a smooth flow
- Simple yet efficient modern user interface to reduce clicks
- Intelligent planning rules which can be infinitely extended with a nesting and imposition engine

Intelligent, sophisticated and efficient planning

Phoenix is built from the ground up to cut cost. This is accomplished by generating fast accurate estimates, reducing pre-press time, automating error-prone tasks and maximising media and device usage. Phoenix is designed to model the print company and all the systems used. Some print applications have very specific needs, such as printing labels in print lanes, which can be handled with ease with Phoenix.

Phoenix is tuned to your business

Phoenix plans work in the most efficient way by being tuned to understand the capabilities of the business. This is achieved through inputting details of the production facility into the database which includes technical details about presses, finishing equipment, stock types, and the associated cost of each of these resources.

Let Phoenix optimise production

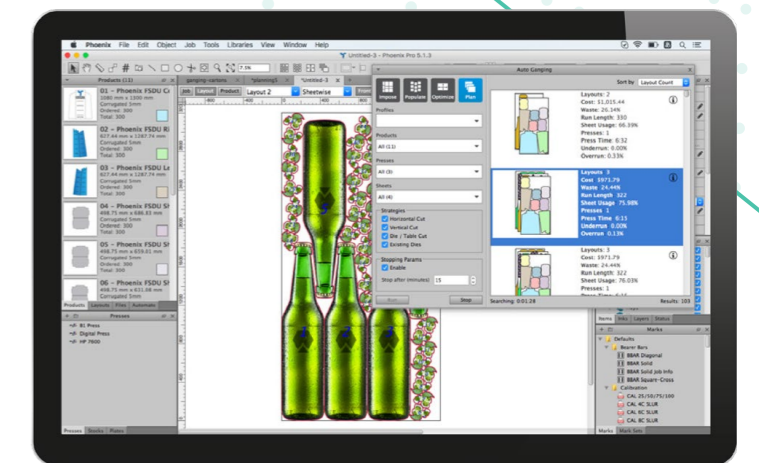
Once Phoenix understands the production environment, the imposition AI algorithms will evaluate the most efficient way to produce all the work that is ready for production. However, Phoenix also has the ability to prioritise tasks, allowing the user to specify what is most important to a production run.

Phoenix explores all of the possible methods of ordering the jobs for production, the fastest way to produce the jobs, the most economical way and finally, can organise workloads by due date, delivery postcode and more.

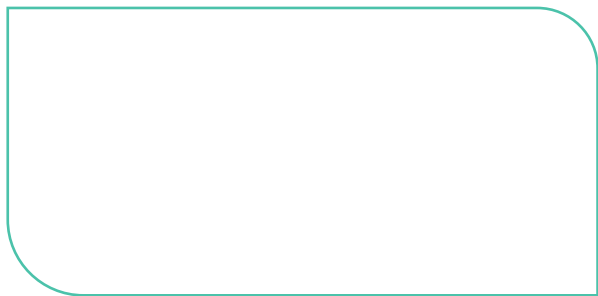
For label and packaging applications, Phoenix will optimise how work is laid out to reduce waste or optimise the finishing process.

Imposition tools built for power production planning

Phoenix began as an imposition solution and has one of the most comprehensive sets of imposition tools on the market with every tool needed to swiftly generate print-ready layouts. Phoenix has smarter tools to quickly build the base imposition but still allows the user to control each item with precise control. Phoenix has evolved to contain an expansive set of software tools to ensure the best performance from the production environment.



Please contact your local Fujifilm partner or visit:
fujifilmprint.eu/label-packaging-sector



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