



Revoria Press GC12500

PRODUCT BROCHURE



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World class, world first

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.



Revoria Press GC12500

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 662mm 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.

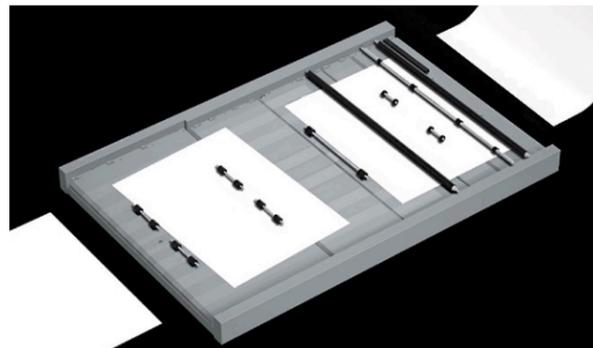
Dry toner digital presses also feature higher reliability and press uptime compared to others on the market. This is due to the simpler setup and maintenance routines required to operate the press, and advanced features that maximise uptime.

Consistent high quality

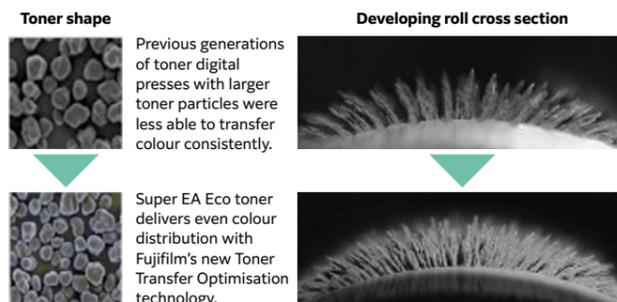
In-built advanced technologies deliver reliable high quality, job after job.

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 $\pm 0.5\text{mm}$ tolerance.



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



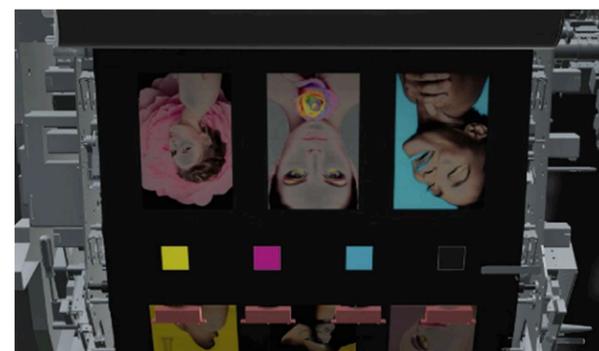
Toner shape
Previous generations of toner digital presses with larger toner particles were less able to transfer colour consistently.

Developing roll cross section

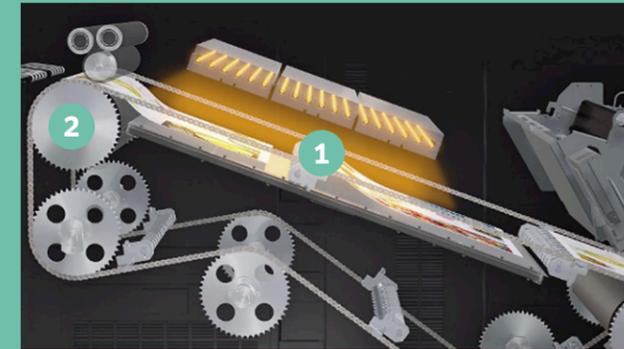
Super EA Eco toner delivers even colour distribution with Fujifilm's new Toner Transfer Optimisation technology.

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

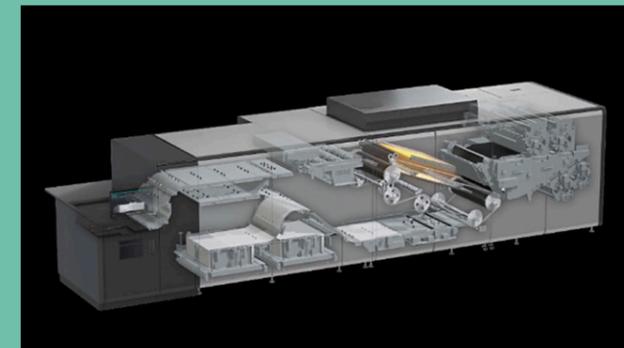
1 Far-infrared rays heating 2 Low pressure fuser roller

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

- Correct skin tone
- Brightness

Indoor

- Brightness
- Texture correction

Landscape

- Correct sky colour
- Noise reduction

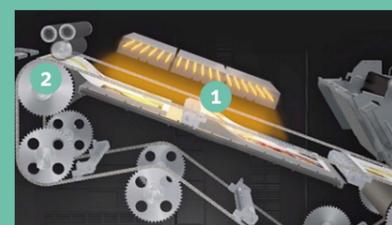
Outdoor

- Backlit compensation
- 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

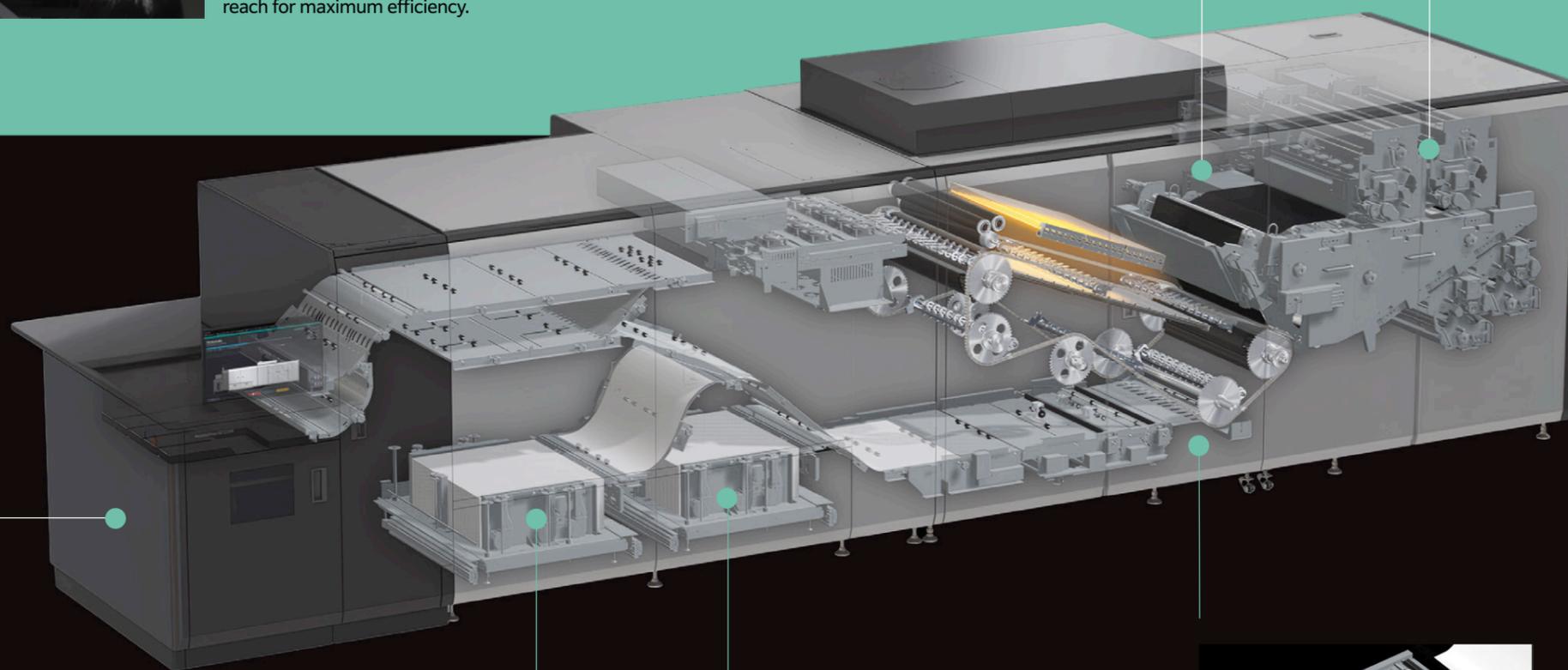
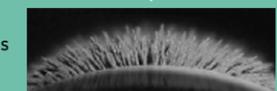


Regular large toner particles are difficult to distribute.



Super EA eco toner achieves dense, even colour.

Developing roll cross section



B2XL size sheets at 750x662mm are 25% larger than the leading B2 size digital press (750 x 530mm). Delivering more sheet, for examples six A4 pages, including all the bleed, trim and production data you need.

Original images

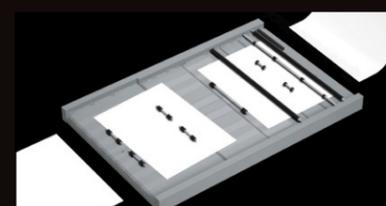


Corrected images

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



AI - Auto determine the scene for each photographic image



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.

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



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.

Operation made simple

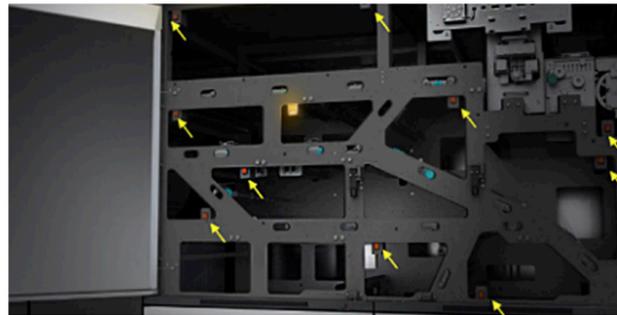
The Revoria Press GC12500 has been designed to be very easy and familiar to use, making it a powerful option when upgrading from an SRA3 press – with low operator skill levels required.

Easy to use

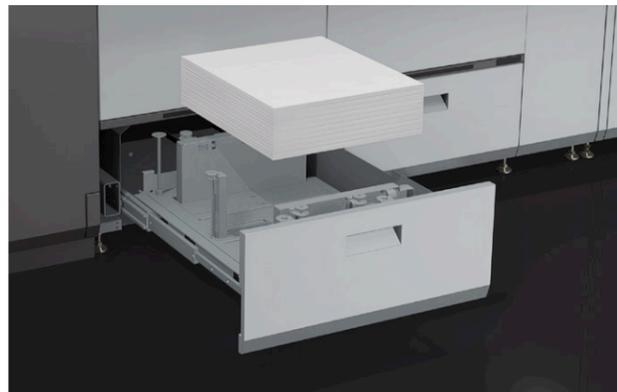
Anyone familiar with the operation of a smaller toner press will immediately feel at home and ready for production with the Revoria Press GC12500. The general principles of the imaging system remain the same with operators guided through any interventions, calibration or maintenance procedures with simple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

Media management

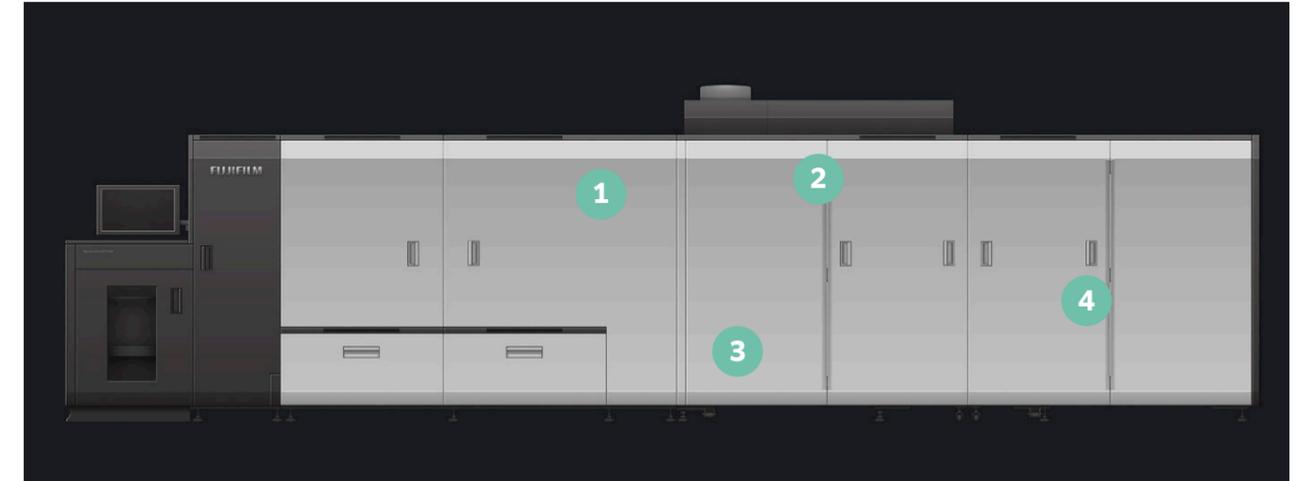
Managing the paper supply is easy with two drawers that can be freely adjusted to any measure between maximum and minimum sizes. A familiar media library system guides operators through the process of loading and reloading media.



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 469mm to the maximum of 750 x 662mm. 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 64gsm/0.06mm to heavy card or carton stock at 450gsm/0.6mm.

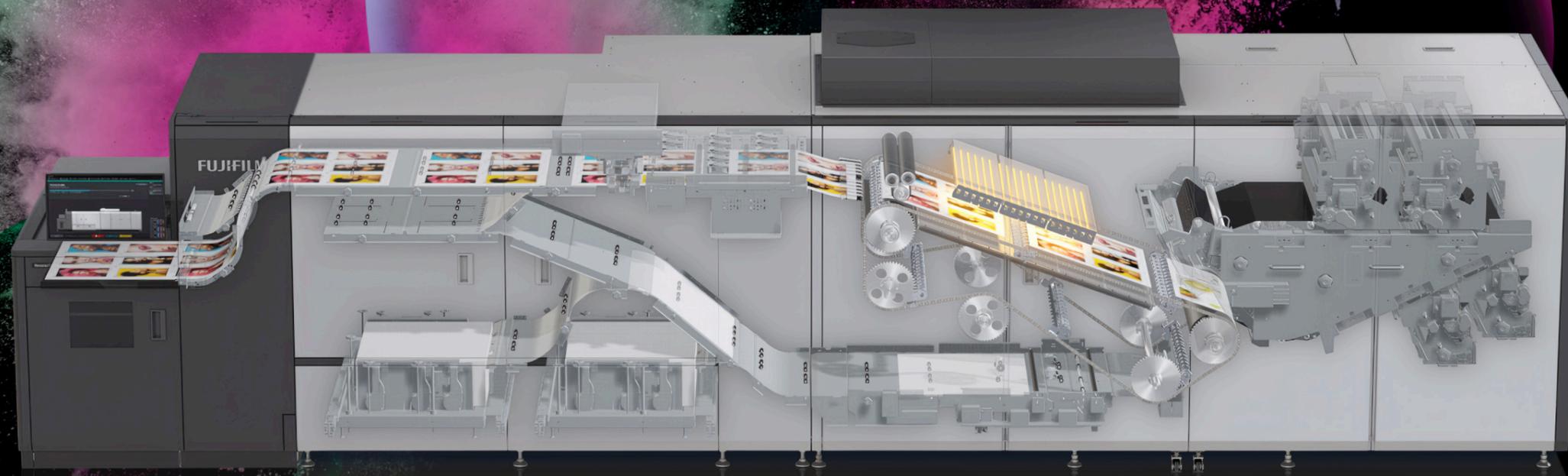
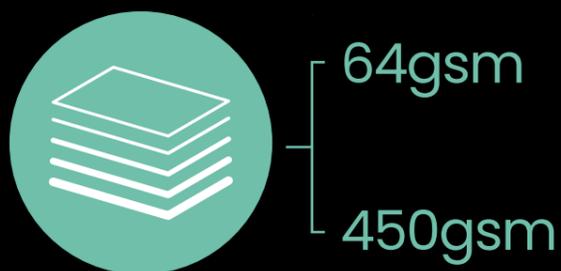
Workflow capability

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 469mm minimum • 750 x 662mm 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 • 64gsm/0.06mm minimum • 450gsm/0.6mm maximum

Setting sustainability standards

There are many environmental benefits associated with digital print. Make-ready waste between images and jobs is removed, as is the entire plate production process. Fewer press chemicals are required and smaller stock holdings are made possible due to the on-demand nature of digital print.

Additional sustainability benefits

Dry toner press systems have notable sustainable benefits compared to liquid toner digital systems. Firstly, they produce less waste, do not use any mineral oils during the printing process and chemical usage is minimal. Even waste toner is managed on your behalf with local arrangements by Fujifilm.

Supports effective paper recycling

Paper recycling is the most effective way to reduce the environmental impact of using paper. For the print industry, recycled fibres are an indispensable source of raw materials, supporting the industry's resource efficiency. The ability for ink to be removed from the paper after use, a process called "deinking", is a critical step in the paper recycling process, to produce bright recycled paper.

Print using Super EA Eco Toner used in the Revoria Press GC12500, is approved by INGEDE, the association of the deinking industries. It scores 100/100 points in tests, with the highest rating of 'good', meaning that printed sheets from the Revoria GC12500 can be effectively deinked.

This means printed paper from the Revoria GC12500 can be handled in standard wastepaper streams, resulting in a lower impact on the environment and cost savings all round. In comparison, some other print processes are not suitable for recycling into white pulp due to poor deinkability.

Lower power consumption

In addition, the Super EA eco toner in the Revoria Press GC12500 fuses at a lower temperature than standard toners, resulting in lower power consumption throughout the print process.



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.

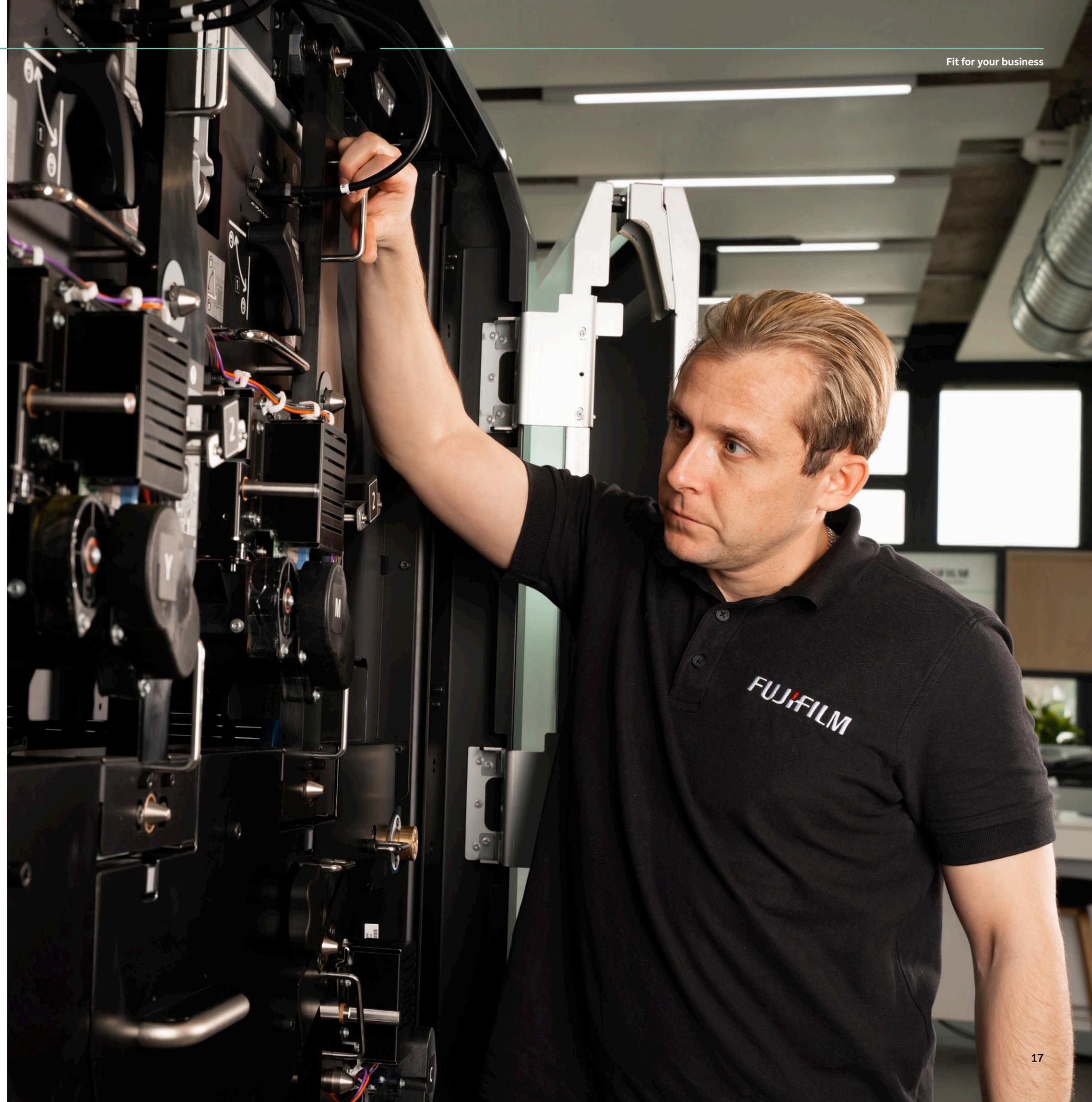
If you want to transfer more work from offset to digital

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 7874mm x Depth 3475mm x Height 2135mm	
Installation space	Width 11874mm x Depth 7475mm	
Weight	9000 kg	

