



J Press 540W

PRODUCT BROCHURE

Fujifilm's high performance inkjet web press



Profit from Fujifilm digital inkjet web printing

New business opportunities

The J Press 540W enables you to combine short-run and variable data printing capabilities with high performance color. This combination has been proven to generate additional value for customers, and open up new sales opportunities for a growing number of marketing applications. The full color 540W is targeted at shorter run print applications traditionally run on web or offset presses and brings high-speed color to jobs run on monochrome toner equipment. Ideal for re-prints on articles, transactional statements or direct mail pieces.

The J Press 540W digital web advantage

With conventional web and offset presses, printing sizes are limited by the size of the plate cylinder and other factors. The J Press 540W uses direct data from a fully digital workflow so there is much more flexibility. The system can accommodate a wider variety of jobs, while remaining highly efficient for standard jobs with the same paper width.

Books

Marketing Letters

Manuals

Textbooks

Inserts

Magazines

Newspapers



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Commercial print production

The J Press 540W delivers reliable performance and high quality production in a compact unit.

- ▶ Uses Fujifilm's high performance VIVIDIA ink and unique FM screening technology to facilitate superb image quality with smooth color tones and sharp text
- ▶ Enables 2-sided printing within a single tower design, resulting in an extremely compact footprint of 22' x 9'
- ▶ Prints at up to 416ft/min
- ▶ Finishing options include a third party sheeter or other configurations

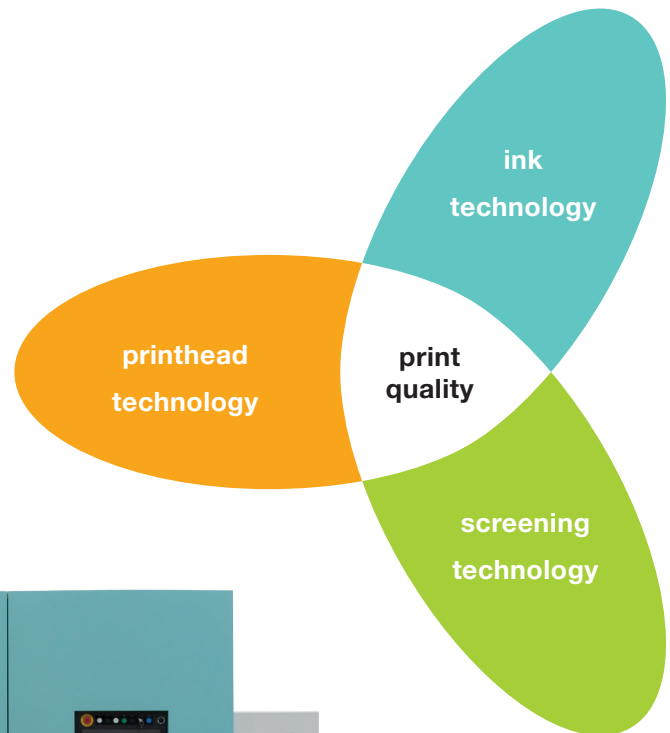


The J Press 540W supports both inkjet treated and non-treated papers.



High performance color

Fujifilm's history in printhead development, ink and screening technologies enables a system capable of producing high quality commercial printing available from a digital web press. Backed by Fujifilm's industry-leading support network, you can be assured of reliable operation from day one.



Fujifilm screening technology

Developed through expertise in high resolution imaging, Fujifilm's own FM-based screening technology for inkjet printing produces smooth color tones and sharp text.

High performance waterbased inks

Fujifilm's high performance VIVIDIA inks developed in the company's Advanced Marking Research Laboratory in Japan are leading the way by delivering benchmark quality and color gamut performance for inkjet printing applications.

Printhead technology

Fujifilm's expertise in matching ink performance with printhead technology is a core competency, built from years of innovation and experience in delivering high performance inkjet printing systems and industrial applications.

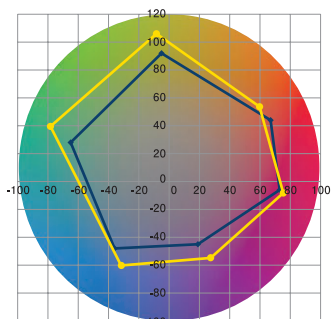


Inkjet Inks: application & flexibility

With a heritage in advanced fine chemistry and the physics of color, Fujifilm has developed both pigment and dye inks for use with the J Press 540W. This maximizes the application, flexibility, and versatility while achieving the broadest possible color gamut.

VIVIDIA WP-S pigment ink features a wider color gamut, provides less 'see-through' on the page and can be used in nearly all graphic applications.

VIVIDIA WD-S dye ink also has a wide color gamut, but provides better water resistance when used with inkjet papers.

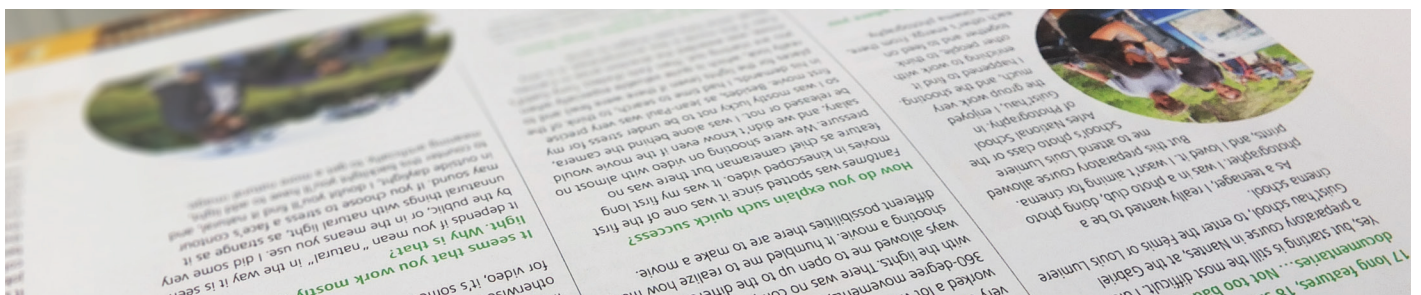


J Press 540W color gamut compared to Japan Color standard

— Jet Press 540W
— Japan Color



The combination of printhead, ink and screening technologies allows the J Press 540W to deliver smooth color tones and sharp text.



Fits into your production environment

Compact footprint

Fujifilm's J Press 540W features a unique design that enables 2-sided printing within a single tower. This results in an extremely compact footprint of 22' x 9'.



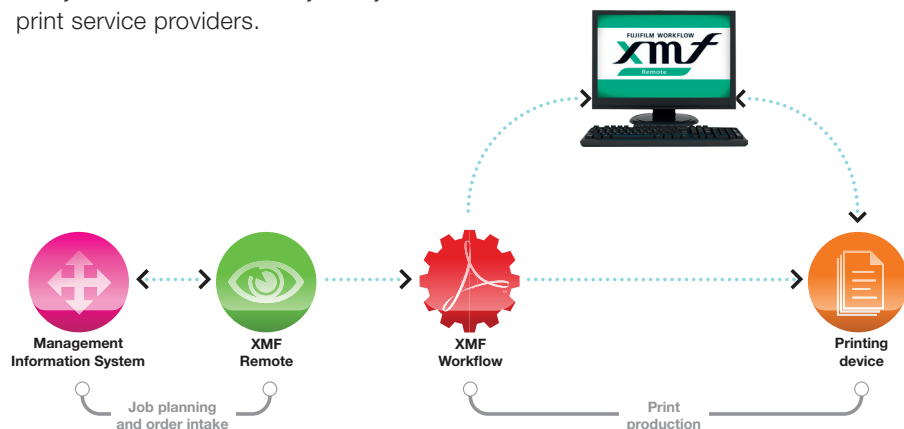
Powered by industry-leading XMF workflow

Fujifilm's XMF Workflow system drives the front end of the J Press 540W and allows full variable data printing. Built around the Adobe PDF Print Engine it is a powerful tool already popular with commercial printers for its speed and flexibility in handling work for digital production.

By utilizing XMF, you can also take advantage of XMF ColorPath, a cloud-based color management system that can help you achieve consistent color across a wide range of printing technologies. Both these systems integrate quickly and easily with the core XMF workflow.

XMF boasts a user interface that

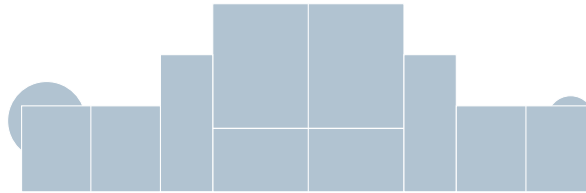
increases automation, efficiency and ultimately profitability. It represents one of the most comprehensive and advanced production management systems on the market, addressing many of the issues faced by today's print service providers.



Finishing configurations

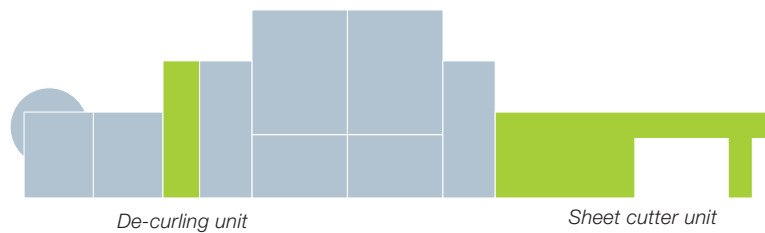
Roll to Roll

The J Press 540W is available as a standalone system where finishing equipment is already on site.



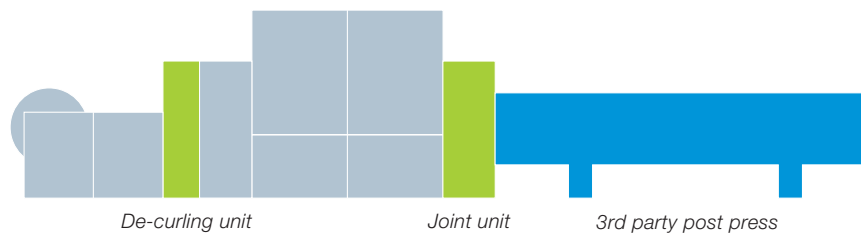
Roll to Sheet

Adding de-curling and sheet cutter units to the J Press 540W adds further flexibility to the system.



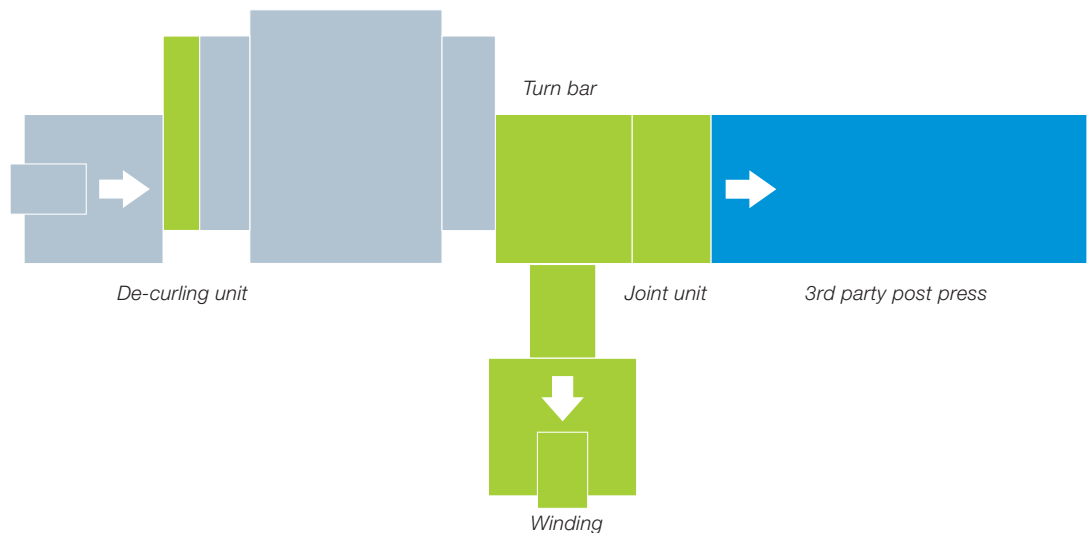
Roll to Third Party Finishing

The J Press 540W has been designed to work efficiently with Hunkeler or Muller Martini finishing equipment.



L-shape turn bar & joint unit

Alternatively, a turn bar and winding unit can be added to a system feed 3rd part post press equipment.



Specifications

J Press 540W		
Printhead technology		Piezo-electric drop on demand
Grey levels		4
Resolution		600 x 600dpi 600 x 480dpi
Print speed		328ft/min at 600 x 600dpi duplex/simplex print 416ft/min at 600 x 480dpi duplex/simplex print
Colors		4 color (CMYK) or 1 color
Paper	Minimum width	6"
	Maximum width	21.5"
	Diameter	Maximum feeding outside diameter - 50" Maximum winding outside diameter - 50"
	Weight	64-157gsm (45lb. - 100lb. offset text)
Maximum print width		21.2"
Ink		Aqueous-based VIVIDIA WP-S pigment ink Aqueous-based VIVIDIA WD-S dye ink
Digital front end		Fujifilm XMF
Dimensions (W x D x H)		22' x 9' x 7'6" (standard configuration)
Weight		16,000lbs (standard configuration)
Power requirements		3 phase, 3 wire 400VAC 50/60Hz 140A (standard configuration) 3 phase, 3 wire 200VAC 50/60Hz 130A (standard configuration)

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