FUJIFILM

# Jet Press 540W

## PRODUCT BROCHURE

High performance digital web press

# Profit from Fujifilm digital web printing

## The Jet Press 540W digital web advantage

With conventional web offset presses, printing sizes are limited by the size of the plate cylinder. The Jet Press 540W uses direct data printing so there is much more flexibility in the cut-off size of the paper. It can accommodate a wider variety of jobs, while remaining highly efficient for standard jobs that utilise the same paper size.

## New business opportunities

The Jet Press 540W enables you to combine short-run and variable data capabilities, opening up new opportunities for a growing number of applications. It is targeted at shorter run print applications traditionally run on web offset presses, ideal for the production of leaflets, magazines, educational textbooks, manuals and newspapers.

- Leaflets
- Magazines
- Textbooks
- Manuals
- Newspapers

# High performance production

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

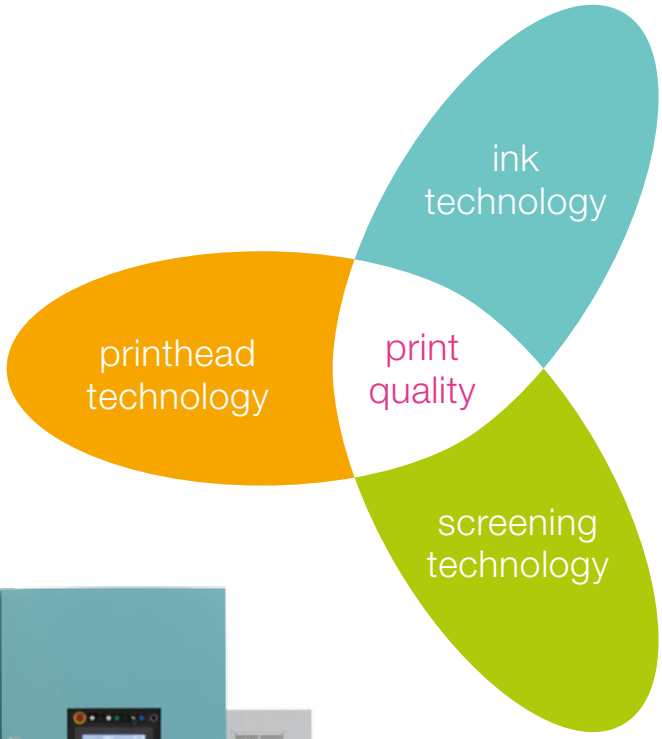
- Uses Fujifilm's high performance VIVIDIA ink and unique FM screening technology to facilitate superb image quality with smooth colour tones and sharp text
- Enables duplex printing within a single tower design, resulting in an extremely compact footprint of 6.6m x 2.7m
- Prints at up to 127m/min at 600 x 480dpi
- Available as a standalone system, or with post press equipment from Fujifilm or third party suppliers such as Hunkeler or Muller Martini

## High quality printing on inkjet and non-coated papers

The Jet Press 540W supports both inkjet and non-coated papers of between 64-157gsm, with a maximum printable width of 540mm.

# High quality print

Fujifilm's heritage in printhead, ink and screening technologies has enabled it to deliver a system capable of producing some of the highest quality print available from a digital web press. Backed up by Fujifilm's industry-leading support network, you can be assured of high quality, reliable operation from day one.



## Fujifilm screening technology

Developed through its expertise in CTP and digital press screening, Fujifilm's own FM-based screening technology produces smooth colour tones and sharp text as well as eliminating moire and rosette patterns.

## High performance waterbased inks

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

## Printhead technology

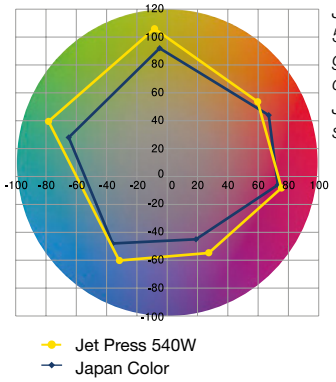
Fujifilm's expertise in matching ink performance with printhead technology is second to none, built from its years of innovation and experience in delivering high performance wide format inkjet printing systems.

## Inks for application flexibility

Fujifilm's heritage in the chemistry of colour has allowed it to develop both pigment and dye-based inks for use with the Jet Press 540W to maximise the application flexibility and versatility, while achieving the highest possible colour gamut.

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

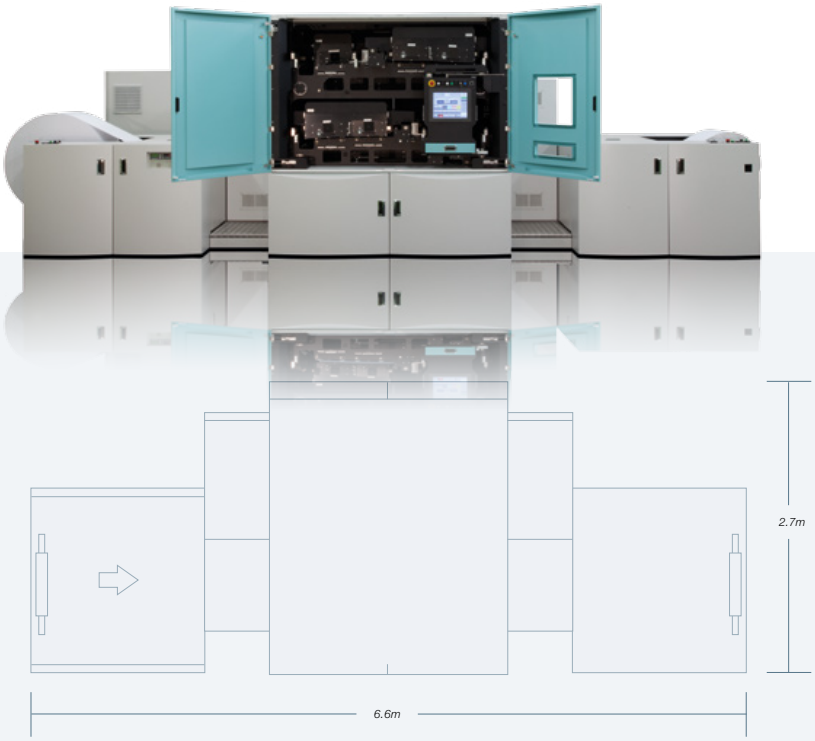
VIVIDIA WD-S dye ink also has a wide colour gamut, but provides better water resistance when used with inkjet papers.




*Jet Press 540W colour gamut compared to Japan Color standard*

*The combination of printhead, ink and screening technologies allows the Jet Press 540W to deliver smooth colour tones and sharp text as well as eliminating moire and rosette patterns.*

# Fits into your production environment




## Compact footprint

Fujifilm's Jet Press 540W features a unique design that enables duplex printing within a single tower. This results in an extremely compact footprint of 6.6m x 2.7m.

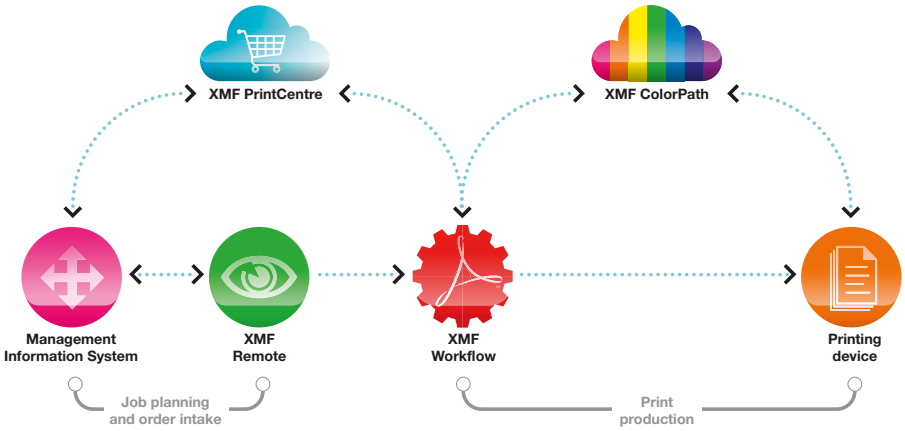
This means that even when combined with a versatile range of finishing equipment, it can fit into your production environment with the minimum of disruption.

## Powered by industry-leading XMF workflow

Fujifilm's XMF Workflow system drives the front end of the Jet Press 540W and allows full variable data printing. Uniquely built from the ground up around the Adobe PDF Print Engine and JDF, it is a powerful tool already popular amongst commercial printers for its speed and flexibility in handling work across digital and offset print processes.

XMF is continuously evolving, and today boasts an improved user interface which 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.

By utilising XMF, you can also take advantage of XMF PrintCentre, Fujifilm's leading web-to-print system, and XMF ColorPath, a cloud-based colour management system that can help you achieve consistent colour across a wide range of printing technologies. Both these systems integrate quickly and easily with the core XMF workflow.



# Finishing configurations

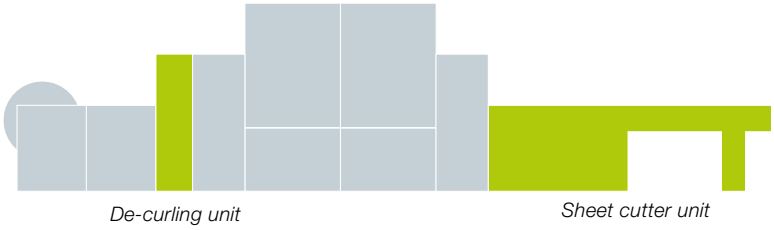
## Standard option

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



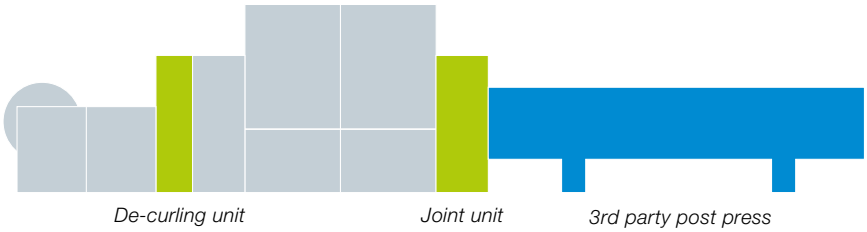
## Sheet cut option

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



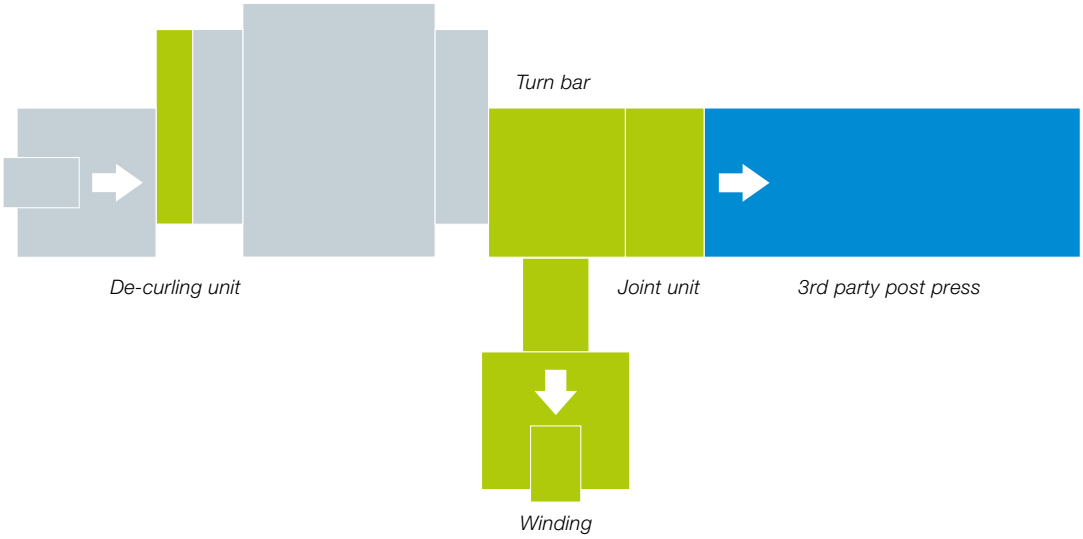

## 3rd party option

The Jet 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

| Jet Press W | | |
|---|---|---|
| **Printhead technology** | | Piezo-electric drop on demand |
| **Grey levels** | | 4 |
| **Resolution** | | 600 x 600dpi<br>600 x 480dpi |
| **Colours** | | 4 colour (CMYK) or black and white |
| **Print speed** | | 100m/min at 600 x 600dpi duplex/simplex print<br>127m/min at 600 x 480dpi duplex/simplex print |
| **Paper** | **Minimum width** | 152.4mm |
| | **Maximum width** | 546mm |
| | **Diameter** | Maximum feeding outside diameter - 1270mm<br>Maximum winding outside diameter - 1270mm |
| | **Weight** | 64-157gsm |
| **Maximum print width** | | 540mm |
| **Ink** | | Aqueous-based VIVIDIA WP-S pigment ink<br>Aqueous-based VIVIDIA WD-S dye ink |
| **RIP** | | Fujifilm XMF |
| **Dimensions (W x D x H)** | | 6,600 x 2,681 x 2,250mm (standard configuration) |
| **Weight** | | 7,222kg (standard configuration) |
| **Power requirements** | | 3 phase, 3 wire 400VAC 50/60Hz 140A (standard configuration)<br>3 phase, 3 wire 200VAC 50/60Hz 130A (standard configuration) |

Please contact your local Fujifilm partner or visit www.fujifilm.eu/print

**For further information:**

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