

**efi** *Matan 3*

*Superwide Inkjet Printer*

Print beautiful graphics  
at production speeds



The 3.5-metre EFI™ Matan 3 roll-to-roll printer is your best choice for high-quality, high-performance jobs. It offers maximum versatility for a wide range of indoor and outdoor applications.

### **At a glance**

- High-quality printing — four colours with patented Parallel Drop Size (PDS) technology
- Best production speed — 297 m<sup>2</sup> per hour
- Proven and reliable Matan Core technology
- Modular and scalable system
- Advanced multi-roll capabilities
- Optional inline finishing system for all-in-one printing, slitting, and collecting
- Versatile media handling capabilities to support a variety of flexible and rigid media
- Single-operator loading system
- Unique roll loader for up to 300% better media utilisation — only 40 cm of wasted material on every roll
- Ink saving modes
- Motorised carriage height adjustment for maximum ease of use and optional wrinkle analyser
- Media saving wizard for revolutionary media stock management
- Lowest cost of ownership in its class

### **Fuel your versatility with unique options and software**

Add any of the following value-added options and expand your offering to include more challenging premium applications:

- Light colours (LC, LM, LK) for sensational seven-colour printing
- White printing, with a selection of print modes for challenging white applications
- Inline finishing for cutting and slitting
- Automatic backlit printing
- Automatic blackout printing
- Vacuum plate for printing on thin sheets and rigid media in a selection of sizes
- Wrinkle analyser
- ID backprint
- Jumbo roll handling system
- Mobile operator station\*
- ValuePro business analytics software
- Matan iPhone application

\*Mobile operator station and software value pack are included free of charge when ordering seven-colour printing and/or white

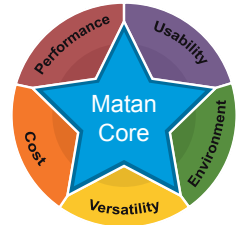


## ***Print more indoor and outdoor applications***

- Banners
- Billboards
- Building wraps
- Bus shelters
- Flags
- Point of purchase and point of sale images
- Signage
- Terminal graphics
- Flooring
- Mesh
- Tradeshow graphics
- Wall graphics

## ***Matan Core***

Providing you with the finest superwide inkjet printer experience is at the core of what we do. That's why we've developed the five-point Matan Core. Every printer has to offer **best performance, best versatility, best cost of ownership, best usability, and best environmental friendly solution** — or the Matan name doesn't go on it. We work hard to always uphold our core standards, because we know your business depends on being the best.



## ***Parallel Drop Size technology***

EFI Matan's patented Parallel Drop Size (PDS) technology sets new standards in terms of print quality and productivity. A smart software algorithm enables the printing of both small and large drops in the same pass. Small 20 pL droplets are injected simultaneously with 40 pL drops. Fine details are created by the small 20 pL droplets, while ink coverage is achieved by the larger 40 pL drops.

The result is high-definition print quality while maintaining the highest production print speed of up to 297 m<sup>2</sup>/hr.



## ***Revolutionise the way you work***

Adopt the revolutionary EFI Matan workflows, to become more efficient and cost effective:

- Print → Cut → Slit → Label → Collect
- Printing, slitting, cutting, and labelling is achieved simultaneously with the innovative EFI Matan optional add-ons
- Replace expensive cutting machinery
- Save valuable time at the finishing station
- Prevent cutting and labelling errors
- Increase yield
- Save floor space
- Use skilled manpower for more profitable tasks
- Automatic double-sided printing solutions
- Innovative automatic Backlit and Blockout printing workflows
- Patented software algorithms with camera or sensor guided systems
- Easy and simple workflows for perfect registration between sides
- Eliminate guesswork and manual manipulation
- No need for super-skilled operator

# Matan 3

## Printing technology

- Piezo drop-on-demand inkjet technology
- Parallel Drop Size (PDS) patented print technology
- Up to 600 dpi true resolution
- Colours: C, M, Y, K; optional LC, LM, LK, and white

## Media/Handling

- Handles a wide variety of flexible and rigid substrates
- Maximum printing width: 350 cm
- Roll-to-roll, free-fall, and multi-roll (2 rolls of 1.6 m)
- 300% better media utilisation — only 40 cm is wasted on each roll loading
- Optional vacuum plate for thin sheets and rigid media up to 11 mm thick
- Optional jumbo-roll handling system enables working with large media rolls up to 750 kg for continuous, unattended work

## Productivity

- Production: up to 297 m<sup>2</sup> per hour
- Quick and easy media loading

## Environmental considerations

- Compressed air: 6 bar, airflow of 7 litres/sec, dry and clean air only (not included)
- Operating temperature: 20 °C to 29 °C
- Humidity: 50% to 80% (non-condensing)
- Machine weight: 4,380 kg
- Height: 210 cm
- Width: 670 cm
- Depth: 135 cm
- Electrical: 230 V/50 Hz/3 phase 32 Amp, 4.6 Kw printing consumption (10 Kw peak)

## Other

- RIP: Fiery® XF, Caldera, or other compatible system available in the market
- File formats: EPS, PS, TIFF, PDF, JPEG

## EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalised documents, with a wide range of printers, inks, digital front ends, and a comprehensive business and production workflow suite that transforms and streamlines the entire production process, increasing your competitiveness and boosting productivity.

Visit [www.efi.com](http://www.efi.com) or call 0808 101 3484 (UK only) or +44 (0)1246 298000 for more information.



Nothing herein should be construed as a warranty in addition to the express warranty statement provided with EFI products and services.

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