

efi *Matan 3*

Superwide Inkjet Printer

Print beautiful graphics at
production speeds



The 3.5-meter 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 colors with patented Parallel Drop Size (PDS) technology
- Best production speed — 3,200 ft² (297 m²) per hour
- 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 utilization — only 15.7 in (40 cm) of wasted material on every roll
- Ink saving modes
- Motorized carriage height adjustment for maximum ease of use and optional wrinkle analyzer
- 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 colors (LC, LM, LK) for sensational seven-color 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
- Wrinkle analyzer
- ID Backprint
- Heavy roll loader
- Vacuum plate for printing on thin sheets and rigid media in a selection of sizes
- Mobile operator station
- iPhone application



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

Parallel Drop Size technology

EFI'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 3,200 ft²/hr (297 m²/hr).



Revolutionize 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

EFI Matan 3

Printing technology

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

Media/Handling

- Handles a wide variety of flexible and rigid substrates
- Maximum printing width: 138 in (350 cm)
- Roll-to-roll, free-fall, and multi-roll (2 rolls of 63 in/1.6 m)
- 300% better media utilization — only 15.7 in (40 cm) is wasted on each roll loading
- Optional Vacuum plate for thin sheets and rigid media up to 0.43 in (11 mm) thick
- Optional Heavy roll loader enables working with large media rolls up to 1,653 lbs (750 kg) for continuous, unattended work

Productivity

- Production: up to 3,200 ft² (297 m²) per hour
- Quick and easy media loading

Environmental considerations

- Compressed air: 95 psi (6.5 bar) airflow of 4 cfm (110 l/min), dry and clean air only (not included)
- Operating temperature: 68 °F to 86 °F (20 °C to 30 °C)
- Humidity:
 - Standard range: 30% - 80% (non-condensing)
 - Optimal range: 50% - 80% (non-condensing)
- Machine weight: 9,656 lbs (4,380 kg)
- Height: 82 in (210 cm)
- Width: 264 in (670 cm)
- Depth: 53 in (135 cm)
- Electrical: 380VAC 3 Phase +N +PE 32 Amp 50/60 Hz

Fiery digital front end

- Ships with the EFI Fiery® proServer SE digital front end, featuring:
 - FAST RIP (Fiery Accelerated System Technology)
 - Spot Color, Color Profiler, Color Verifier, Cut Marks
 - EFI ES-2000 spectrophotometer
 - 1x Printer Option EFI
- Other RIP solutions are supported
- File formats: EPS, PS, TIFF, PDF, JPEG

EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalized 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 or call 650-357-3500 for more information.



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