

**efi** *Matan 8Q*

*Superwide Inkjet Printer*

Unmatched performance,  
quality and value.



# Your best choice for high-quality, high-performance applications.

## At a glance

- Best production speed - 3,800 ft<sup>2</sup> (353 m<sup>2</sup>) per hour
- High-definition POP printing - seven colors plus Parallel Drop Size (PDS) technology with 20 and 40 pL drops
- Proven and reliable Matan Core technology
- Advanced multi-roll capabilities
- Fast and economical 4 to 7 color switching to support the widest variety of print applications
- Optional inline finishing system for all-in-one printing, trimming 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 16 in (40 cm) of wasted material on every roll
- Ink-saving modes
- Motorized carriage height adjustment for maximum ease of use
- Media saving wizard for revolutionary media stock management
- Mobile operator station with touch screen for increased usability
- Advanced software tools
- Available in 3.5 and 5.2 meter widths

## Fuel your versatility with unique options and software

- Inline finishing for cutting and trimming
- Vacuum plate for printing on thin sheets and rigid media in a selection of sizes
- Automatic flatbed with loader and unloader
- Automatic backlit printing
- Automatic blackout printing
- Wrinkle analyzer
- ID backprint
- Jumbo roll handling system
- ValuePro business analytics software
- Matan iPhone application

## Perfect for high-end indoor and outdoor applications

- Banners
- Billboards
- Building wraps
- Bus shelters
- Flags
- Point of purchase and point of sale images
- Signage
- Terminal graphics
- Tradeshow graphics
- Window displays
- 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

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 3,800 ft<sup>2</sup>/hr (353 m<sup>2</sup>/hr). Combined with seven-color printing, PDS delivers superb high-definition print quality.



# Matan 8Q

## 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, LC, LM, LK

## Media/Handling

- Handles a wide variety of flexible and rigid substrates
  - Matan 8Q 3 m — up to 150 in (380 cm) max media width
    - up to 138 in (350 cm) max printing width
  - Matan 8Q 5 m — up to 209 in (530 cm) max media width
    - up to 198 in (500 cm) max printing width
- Roll-to-roll, free-fall and multi-roll (2 or 3 rolls of 63 in/1.6 m)
- 300% better media utilization—only 16 in (40 cm) is wasted on each roll loading
- Optional flatbed with auto media loading and collecting for rigid media up to 1 in (254 mm) thick
- Optional Vacuum Plate for thin sheets and rigid media up to 0.43 in (11 mm) thick
- Optional Jumbo-roll handling system enables working with large media rolls up to 1,653 lbs (750 kg) for continuous, unattended work

## Productivity

- Production:
  - Matan 8Q 3 m—up to 3,200 ft<sup>2</sup> (297 m<sup>2</sup>) per hour
  - Matan 8Q 5 m—up to 3,800 ft<sup>2</sup> (353 m<sup>2</sup>) per hour
- Quick and easy media loading
- Fast roll-to-roll <-> flatbed switching

## Environmental considerations

- Compressed air: 87 psi (6 bar), airflow of 15 cf/m (7 liters/sec), dry and clean air only (not included)
- Operating temperature: 68° F to 85° F (20° C to 29° C)
- Humidity: 50% to 80% (non-condensing)
- Machine weight:
  - Matan 8Q 3 m — 9,656 lbs (4,380 kg)
  - Matan 8Q 5 m — 13,007 lbs (5,900 kg)
- Height: 82 in (210 cm)
- Width:
  - Matan 8Q 3 m — 264 in (670 cm)
  - Matan 8Q 5 m — 322 in (820 cm)
- Depth: 53 in (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 system available in the market
- File formats: EPS, PS, TIFF, PDF, JPEG

## EFI fuels success.

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