



**VUTEk<sup>®</sup> M3h X**  
Superwide hybrid inkjet printer

The fastest path to  
**higher margins**



# New substrates. New applications. New revenue.

For sign and display print providers ready to take the next step into higher-volume, production-level printing, the EFI™ VUTEk® M3h X hybrid flatbed/roll-fed LED printer delivers new levels of image quality at blazing production speeds with the true hybrid versatility to print on both rigid and flexible substrates.

With high overall equipment efficiency (OEE) and reliability, advanced print capabilities, and energy-efficient LED curing, the EFI VUTEk M3h X printer helps businesses reduce costs, increase margins, accelerate turnaround times, and differentiate their offerings by expanding into new substrates and applications. And it's all at an accessible investment level that brings high-quality, production-level hybrid printing within reach for more sign and display providers.



## eXceptional image quality at production-level speeds

The VUTEK M3h X printer delivers production-level throughput – up to 105 boards per hour – with resolution up to 3,000 dpi, and up to nine-layer printing. This versatile hybrid handles a wide range of rigid and flexible substrates up to 5.08 cm thick in one footprint, enabling new applications, new capabilities, and new markets without added equipment.

- CMYK plus EFI best-in-class white ink in opacity and colour gradient
- Resolution up to 3000 dpi with 7pL / 14pL greyscale printing for sharp detail and vibrant colour
- Add clear ink without compromising productivity or density of white ink channels
- Magnetic linear drive, state-of-the-art control systems, and high-speed ink jetting ensure precise dot placement for sharper images
- High-speed printing up to 105 boards per hour 392 m<sup>2</sup>/hr
- Continuous print plus multi-queue for multi-job printing:
  - Unique continuous media loading detects the next board loaded while auto managing files in the job queue
  - Allows two-up printing without loading two boards at the same time
- Dual-roll printing supports unique jobs on each roll

# Print more jobs with ease and precision

## eXpert design features

- Automated, user-selectable, six-zone vacuum system for strong media hold down, two-up printing, lower power consumption, and reduced operational noise
- Anti-static bar across the width of the platen for efficient removal of static electricity
- Media scan function to locate placement with automated media height detection
- Wrinkle and crash prevention system with ability to pause and resume when wrinkles are detected
- Nozzle compensation tool helps maintain print quality by detecting and compensating for failed printheads
- Automated head cleaning
- Dual touch screens – front and back – for convenient operator control
- Optional material edge guides (MEG) keep warp-prone media flat with built-in sensors for ease of use





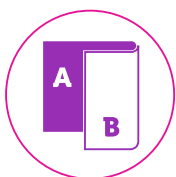
## eXpand revenue with advanced print capabilities



White ink and multilayer printing in any colour up to nine layers in a single pass for more high-value applications



Clear ink to enhance an entire image (full flood) or selected areas (spot) to add extra pop to colours or special effects to graphics – printed in line with the other colours



Easy double-sided printing on sheets and rigid media with a 3.175 mm tolerance front to back



## eXtend profits with EFI LED technology

Economics and environmental responsibility go hand in hand. EFI's industry-leading LED technology offers lower operational costs and reduced environmental impact, so you can increase profits with more premium-margin jobs while making sustainability a core part of your business strategy.

- Extend your range of supported substrates to include thinner/lower cost and heat-sensitive speciality media
- Increase uptime and productivity with instant on/off lamps and less maintenance
- Drive down operating costs with less energy consumption and fewer consumables
- Reduce media and ink waste with consistent colour and simple operation
- Offer a greener print solution with low VOC inks, lower power consumption, and less waste and consumables

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## NeXt generation Genuine EFI LED Inks

EFI VUTEk M3h X LED inks are custom formulated, tested, and optimised for the VUTEk M3h X printer. Manufactured in EFI's state-of-the-art facilities in Michigan, US and Bradford, UK for the quality and performance you'd expect from Genuine EFI Inks — so you always print with flying colours.

- Excellent open time eliminates the need to purge or wipe printheads between jobs
- Reliable jetting performance maximises uptime and reliability
- Excellent adhesion, elongation, and water resistance
- Environmentally friendly; do not contain heavy metals, virtually no VOC emissions, TPO- and THFA-free, and formulated to meet future regulations

# Driven by Fiery — for eXpert digital colour management



Fiery® digital front ends provide outstanding image and colour quality with features to make print results truly exceptional. The high-performance Fiery server contains:

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## Fiery XF server software for Windows including:

- Spot Color support
- FAST RIP
- Cut Marks option
- Color Profiler option
- Color Verifier option
- File Export option
- Printer Option EFI
- Unlimited macOS® or Windows installations of Fiery Command WorkStation® with up to 10 concurrent connections
- EFI ES-3000 spectrophotometer
- One-year Fiery proServer hardware and Fiery XF software warranty

## TECHNICAL SPECIFICATIONS

Media Handling	
Handles flexible and rigid substrates up to 3.2 m wide and up to 5.08 cm thick	
Maximum sheet weight	90.7 kg
Maximum roll weight	Single roll: 205 kg; Dual roll: 180 kg each
Maximum roll outer diameter	Single roll: 30.5 cm; Dual roll: 45.7 cm
Dual-roll printing	2 rolls, each up to 152 cm wide
Media tables	2 media tables included in base configuration
Print Performance	
Print speed (Express)	Up to 392 m <sup>2</sup> /hr / 105 boards per hour
Resolution	Up to 3,000 dpi
Drop sizes	7pL / 14pL greyscale printing
Multilayer printing	Up to 9 layers in a single pass
Ink Configuration	
Standard	CMYK + 2 White
Options	CMYK only; CMYK + 2W + 1 Clear
Ink Configuration	
Fully enclosed design for operator safety and to keep dust and debris out of the carriage area	
Compressed air	Air source: 0.6 Mpa, flow rate 100 L/min Clean and dry air Instrument quality air required Point of use, multi-stage compressed air filtration unit recommended (not included)
Ambient room temperature	20 °C – 30 °C
Relative humidity (non-condensing)	40% – 80%

## Let's be brilliant. Together.

We understand you want breakthrough technologies to lead you through your digital journey. That's why we're passionate about driving your business growth with a scalable portfolio of products, solutions, services, support, and world-class partnerships for the manufacturing of signage, packaging, and textiles, with a wide range of printers, inks, and software. Our unwavering commitment is to increase your profits, lower costs, improve productivity, and optimise efficiency — job after job, year after year. We're obsessed with your success. And we definitely believe we have the right people, technology and experience to help your business achieve its goals. Visit [www.efi.com](http://www.efi.com) or send an email to [info@efi.com](mailto:info@efi.com) for more information.



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