



Engineered for  
high-volume production.  
Built for your **success.**

**VUTEK<sup>®</sup>  
X3r and X5r**  
Superwide Roll-to-roll Inkjet Printers



# Engineered for **brilliance**

The EFI™ VUTEk® Xr Series of roll-to-roll LED printers are brilliantly engineered for high-volume production of a wide range of indoor and outdoor sign and display applications. Carefully integrated automation, software, and hardware work together to support full-shift unattended printing, deliver a complete print-to-finished-graphic workflow system on the same platform, and take image quality at production-level speeds to a new level.

Built for your success, the 3.5-metre VUTEk X3r and 5.2-metre VUTEk X5r printers are everything you would expect from an EFI VUTEk roll-to-roll LED printing system, but like nothing you have seen before.





# Push the boundaries of brilliance



## Maximum productivity that assures more profits

- VUTEk X3r up to 610 m<sup>2</sup> per hour
- VUTEk X5r up to 751 m<sup>2</sup> per hour



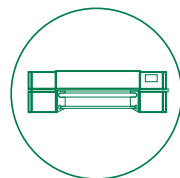
## High quality printing that wins more jobs

- CMYK, optional white and UltraClear Coat
- 5 pL drop sizes and true resolution up to 1200 dpi
- Superb white ink printing performance in single- and multi-layer print modes
- White ink and UltraClear Coat print together for increased design possibilities



## Innovative technology that supports minimal operator intervention

- In-line and offline verification of media roll length and ink tank levels, Wrinkle Analyser, and mobile operator alerts
- Auto Mesh printing for full shift, non-stop continuous mesh printing
- Nozzle Compensation for monitoring nozzle health and ensuring consistent print quality
- Large and heavy roll media handling solutions for continuous printing



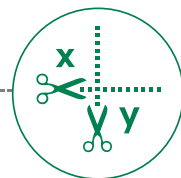
Print



Inspect



Label



Y-slit and X-cut

## Inline finishing workflow that drives production savings

Automate the complete printing and finishing process on the fly, in a single system with EFI's unique inline finishing workflow.

- Includes all or any combination of the following components:
  - Printing
  - Automatic inspection of printed output
  - Printing customer information on the back of the media
  - Vertical slitting and trimming
  - Horizontal cutting
- Saves valuable time and eliminates bottlenecks at finishing stations
- Replaces additional expensive finishing equipment and saves valuable floor space
- Ensures perfect print quality with minimal operator intervention
- Prevents finishing, shipping, and installation errors
- Increases yield

## Power Tools to boost your capabilities and profits

The VUTEk Xr Series of roll-to-roll printers is offered with EFI's rich collection of value-added Power Tool options and software to give you the flexibility to automate the complete printing and finishing process, minimise waste, and expand your capabilities, application offerings, and profit opportunities.



**Y-slitter** – single- or double-bladed – for separating multiple jobs on a single, full-width roll, minimising media waste, and with waste collectors to eliminate the mess.



**X-cutter** cuts media on the X-axis on the fly, without slowing down printing.



**InSpec** automatic inline print quality monitoring system that can identify various print imperfections and fix them on-the-fly, using EFI's unique roll-to-roll Nozzle Compensation System.



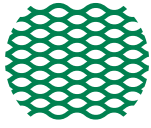
**ID Backprint** for printing customer information on the back side of the media. Also available with white ink for colour-backed media.



**Automatic Backlit** supports multi-roll and enables printing each side with a different print mode.



**Automatic Blockout** is available for multi-roll and supports cutting and slitting.



**Auto Mesh System** for a faster, easier, and cleaner way to print on mesh and other porous substrates.



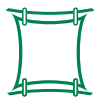
**White Printing** with a variety of multi-layer print modes.



**UltraClear Coat** can be used for decorative applications or as a final protective coating. It prints inline, simultaneously with the image, saving time versus using a separate offline coating system, and in gloss or matte finishes.



**Motorised Winders** are an integrated winder and unwinder solution with motorised pneumatic inflatable core shafts for precise and excellent media collection.



**Media Spreaders** are a pair of clamp-like devices that stretch the media sideways to enable neat media inlet into the printer.



**Three-metre Super Duty Winder** is a fully integrated unwinder or rewinder option for 3- and 5-metre EFI VUTEK roll-to-roll printers.



**Wrinkle Analyser** helps avoid printhead strikes caused by media wrinkles, saving time and money by preventing ruined jobs and enabling the use of lower-cost media.



**Auto Maintenance Kit** enables printer operators to self-diagnose and fix print quality issues, including an uncalibrated printer and missing or deficient nozzles.

## EFI's market leading green LED technology



Brilliantly designed “cool cure” LED technology empowers you with the ability to do more for less. Increase your profit opportunity by offering more premium-margin jobs while reducing operating costs and your environmental footprint:

- Meet the growing demands for higher quality with quicker turnaround times while extending your range of supported substrates, including lower cost and added-value speciality media, with lower heat LED lamps
- Increases uptime and productivity with instant on/off and less maintenance
- Drives down operating costs with significantly less energy consumption (1.8 kW instead of 10 kW and lamps are only on during printing), less waste trying to find the right cure level, and fewer consumable parts
- Reduces waste with consistent colour output and simple operation
- Satisfies customer requests for a greener print solution with low VOCs, lower power consumption, and less waste and consumables

## Genuine EFI Inks for a super-wide range of applications

EFI - 3M™ SuperRange UV LED Inks offer a hard surface cure, wide colour gamut, and excellent adhesion properties for a super-wide range of indoor and outdoor applications. And they are environmentally friendly GREENGUARD and GREENGUARD Gold certified inks with no VOCs and no odour. Add the industry-leading 3M™ MCS™ Warranty<sup>1</sup> when printing with cobranded EFI and 3M UV LED inks on 3M flexible media, and you get all the quality and performance you'd expect from Genuine EFI Inks – so you always print with flying colours.



3M™ MCS™ Warranty



GREENGUARD

PRODUCT CERTIFIED FOR:  
LOW CHEMICAL EMISSIONS  
UL.COM/GG  
UL 2818



GREENGUARD

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GOLD

<sup>1</sup> Testing in progress.

## TECHNICAL SPECIFICATIONS

MEDIA/HANDLING	
Maximum printing width	VUTEk X3r: 348 cm VUTEk X5r: 520 cm
Roll-to-roll, free-fall, and multi-roll (VUTEk X3r: 2 rolls of 1.6 m; VUTEk X5r: 3 rolls of 1.6 m)	
300% better media utilization—only 40 cm wasted on each roll loading	
Optional Motorised Winders enable working with large media rolls up to 400 kg for continuous, uninterrupted work	
Optional Super Duty Rewinder enables working with extra-large media rolls up to 793 kg for continuous, uninterrupted work	
Optional Auto Mesh system for full-shift uninterrupted printing on mesh and other porous media	
ENVIRONMENTAL CONSIDERATIONS	
Compressed air	6.5 bar airflow of 110 L/min, dry and clean air only (not included)
Operating temperature	20 °C - 30 °C
Humidity	<ul style="list-style-type: none"> <li>Standard range: 30% - 80% (non-condensing)</li> <li>Optimal range: 50% - 80% (non-condensing)</li> </ul>
Dimensions (H x W x L)	VUTEk X3r: 210 cm; with emergency light 250 cm x 690 cm x 180 cm VUTEk X5r: 210 cm; with emergency light 250 cm x 840 cm x 180 cm
Machine weight	VUTEk X3r: 4,400 kg; crated: 5,900 kg VUTEk X5r: 5,500 kg; crated: 7,000 kg
Electrical	230/380 VAC 3 Phase +N + PE 32 Amp 50/60 Hz - Printing consumption: 2.9 KW, Peak consumption: 5.7 KW
Chiller	Cooling capacity 3.6 kW — required for LED UV curing (included)
DIGITAL FRONT END	
Other RIP solutions supported	
File formats: EPS, PS, TIFF, PDF, JPEG	



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