Go beyond at lightning speed

VUTEk® Q3r and Q5r
Superwide roll-to-roll inkjet printers
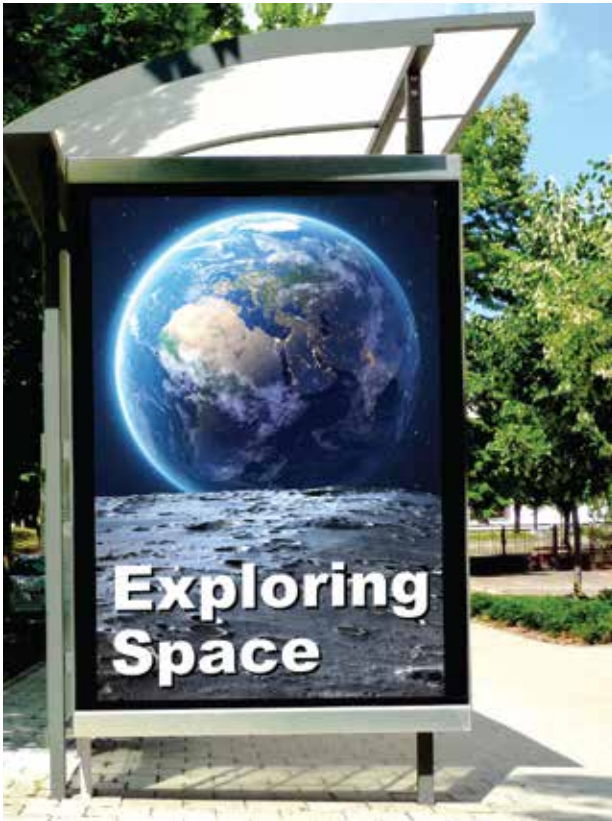
Take your business **beyond—** with the **EFI VUTEk Q Series**

The new EFI™ VUTEk® Q Series roll-to-roll printers were developed to bring you the highest image quality at the highest rated speeds in the industrial roll-to-roll printer market.

We designed the EFI VUTEk Q3r and VUTEk Q5r to go beyond printing to provide a complete print to finished graphic workflow—from RIP to finished product—on the same platform. Think of it as one big competitive edge that encompasses automatic in-line quality inspection, inline slitting and cutting, Roll & Tape, and more.
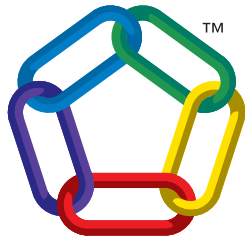
Go beyond with:

- The widest range of application capabilities—signage, wall coverings and murals, POP, exhibitions, floor graphics, window decorations, luxury vinyl tile and much more
- Superb white ink printing performance in single- and multi-layer print modes
- White and clear ink printing together for increased design and application possibilities
- Continuous printing with minimal supervision and multiple media handling solutions for large and heavy rolls
- A unique set of optional Power Tools that automate processes, minimise waste, offer better usability, expand applications offering, and increase profitability
- Automatic inline print quality monitoring that can identify various print imperfections and alert the operator
- Automatic calibration for periodic system alignment of quality parameters back to reference point

Beyond speed and quality

UltraDrop™ TECHNOLOGY

- VUTEk Q3r up to 558 m² per hour

- VUTEk Q5r up to 672 m² per hour

- Up to nine colours – standard CMYK, optional LC, LM, LK, white and clear coat

- UltraDrop™ Technology with native 7 pL printheads with true multi-drop addressability for high-definition image quality, outstanding smoothness in shadows, gradients, and transitions, and superb text quality with three-point text in both standard and high quality with fewer satellites and more clarity in all print modes

- True resolution up to 1200 dpi

- Precise and sharp three-point text

Applications that go above and beyond

- Wide range of applications designed for challenging, premium POP as well as high volume billboards

- EFI - 3M™ SuperRange XF White ink covered under the 3M™ MCS™ Warranty when printing with co-branded EFI and 3M™ UV inks on 3M™ flexible media[1]

- EFI - 3M™ SuperFlex XF inks available for car wrapping and fleet graphics

3M™ MCS™ Warranty

Cool features that are beyond compare

EFI's industry-leading LED curing technology and all its cost savings and environmental benefits:

- Extends your range of supported substrates, including lower cost and added-value speciality media

- Increases uptime and productivity with instant on/off and less maintenance

- Drives down operating costs with significantly less energy consumption (2.9 kW instead of 10 kW) and fewer consumable parts

- Improves control over gloss/matte levels

- 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

Way beyond easy to use

- Versatile media handling capabilities to support a variety of flexible media, including freefall, multi-roll, 3.5-metre and 5.2-metre Super Duty Winder[2] and Motorised Winder[2]

- Carriage height adjustment and Wrinkle Analyser to avoid head strikes

- Newly designed mobile operator station with touch screen for maximum convenience

- EFI IQ and EFI Go mobile application[2] for remote printer tracking

[1] The 3M™ MCS™ Warranty backs graphics printed with the 3M co-branded ink on select 3M flexible media and printed and applied according to 3M Product and Instruction Bulletins. Nothing herein should be construed as a warranty in addition to the express warranty statements provided with EFI products and services.

[2] Optional

Versatility and beyond –
with optional Power Tools

White printing with a variety of multi-layer white printing modes.

Clear coat ink – glossy and matte coating modes; selective and full flood; provides up to three years protective coating and for print enhancement.

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

Y-slitters – 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.
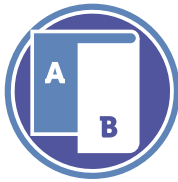
InSpec – automatic inline print quality monitoring that can identify various print imperfections and alert the operator.

Roll & Tape – an automated device that takes printed cut sheets directly from the printer, rolls them into scrolls, and tapes their edges with labels with printed job information.

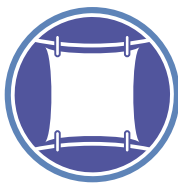**Automatic Backlit** supports multi-roll, and enables printing each side with a different print mode.

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

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

Media Edge Guards for media with uneven or wavy edges protect the print carriage and printheads.

Media Spreaders for extra challenging, stretchable media types that tend to wrinkle.

Super Duty Winder for loading heavy media rolls.

Motorised Airshaft for precise and excellent media collection.

TECHNICAL DATA

Printing technology

Piezo drop-on-demand inkjet technology

24 print heads with 7pL UltraDrop Technology

Up to 1200 dpi true resolution

Colours: CMYK, optional LC, LM, LK, optional white and optional clear

Media Handling

Handles a wide variety of flexible substrates

Max printing width: VUTEk Q3r up to 350 cm; VUTEk Q5r up to 520 cm

Roll-to-roll, free-fall and multi-roll (3 rolls of 1.6 m for 5m model, 2 rolls for 3m model)

300% better media utilisation – only 40 cm wasted on each roll loading

Optional winder motorised airshaft for precise and excellent media collection of rolls up to 400 kg

Optional three-metre and five-metre Super Duty Rewinder enables working with large media rolls up to 793 kg and 2,000 kg, respectively, for continuous printing with minimal supervision

Integrated Mesh Kit for easy and quick changeover to mesh, textile and other porous media

Quick and easy media loading

Productivity

| Production: | VUTEk Q3r: up to 558 m² per hour |
| | VUTEk Q5r: up to 672 m² per hour |

Genuine EFI Inks

EFI™ - 3M™ SuperRange XF Inks	LED-curable UV inks	Environmentally friendly
	Small dot gain	Superb durability
	Wide colour gamut	

EFI - 3M™ SuperFlex XF inks for car wrapping and fleet graphics

Compressed air: 6.5 bar airflow of 110 L/min, dry and clean air only (not included)	
Operating temperature: 20 °C to 30 °C	
Humidity:	Standard range: 30% - 80% (non-condensing)
	Optimal range: 50% - 80% (non-condensing)
Machine weight:	VUTEk Q3r: 5,400 kg; crated: 7,000 kg
	VUTEk Q5r: 6,500 kg; crated: 8,000 kg
Height: 210 cm; with emergency light: 250 cm	
Width:	VUTEk Q3r: 690 cm
	VUTEk Q5r: 840 cm
Depth: 180 cm	
Electrical: 3 Phase, 380 VAC between phases (±5%), 3 x 32 Amp + N + GND (WYE), 50/60 Hz	
Printing consumption: 2.9 kW, Peak consumption: 5.7 kW	
Chiller: Cooling capacity 3.6 kW (included)	

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