Experience phenomenal HD image quality
Expand into profitable high-definition indoor graphics and fleet applications.

**At a glance**

The three- and five-metre wide EFI™ Quantum PLUS printers feature:

- Powerful LED curing technology
- Seven picoliter drop size for high-definition image quality and superb transitions, vignettes, skin tones, and shadows
- Optional white and optional clear ink
- Resolution up to true 1200 dpi
- Precise and sharp small-size text
- 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
- Industry-leading 3M™ MCS™ Warranty when printing with co-branded EFI and 3M™ UV inks on 3M™ flexible media*
- Single-operator loading system
- Unique roll loader for up to 300% better media utilisation — only 40 cm of wasted material on every roll
- Ink-saving modes
- Carriage height adjustment and wrinkle analyser
- Software and productivity pack with media saving wizard for revolutionary media stock management
- Mobile operator station with touch screen for maximum convenience

**Fuel your versatility with unique options and software**

- White printing
- Clear ink
- Inline finishing for cutting and slitting
- Automatic backlit printing
- Automatic blockout printing
- ID backprint
- Wrinkle analyser
- 3.2 m Super duty winder
- Motorised winder
- Roll & tape
- iPhone application
- Vacuum plate for printing on thin sheets and rigid media in a selection of sizes (factory installed only)
A perfect match for close-view indoor applications

- Window displays
- Point of sale and point of purchase images
- Backlit signs
- Indoor hanging banners
- Tradeshow graphics
- Wallpaper murals
- Floor decals
- Fine art
- Fleet graphics
- Truck side curtains

The power of 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:

- Extends your range of supported substrates, including lower cost and added-value specialty media
- Drives down operating costs with significantly less energy consumption
- Increases uptime and productivity with instant on/off and less maintenance
- 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

Clear protective layer

- Printed inline, simultaneously with the image, without slowing production speed
- Full flood or selective
- Provides three years of outdoor protection against
  - Abrasion and scratching
  - Chemicals such as detergents, gasoline, and IPA
  - Weather damage
  - Air pollution
  - UV fading/yellowing
- Saves time versus separate offline coating systems

* The 3M™ MCS™ Warranty backs graphics printed with the EFI Quantum 3+ and 5+ printers on select 3M flexible media and printed and applied according to 3M product and instruction bulletins. This warranty lasts up to five years on EFI co-branded inks that have a shelf life of 15 months.
Quantum 3+ and 5+

**Printing technology**
- Piezo drop-on-demand inkjet technology
- Printheads with inherent 7 pl drop size
- Up to 1200 dpi true resolution
- Colours: C, M, Y, K, optional white, optional clear ink

**Media/Handling**
- Handles a wide variety of flexible substrates
  - Up to 350 cm max printing width in 3 m model
  - Up to 500 cm max printing width in 5 m model
- Roll-to-roll, free-fall, and multi-roll (2 or 3 rolls of 1.6 m)
- 300% better media utilisation — only 40 cm is wasted on each roll loading
- Optional Motorised winder for precise and excellent media collection
- Optional 3.2 m Super duty winder enables working with large media rolls up to 793 kg for continuous, unattended work
- Optional Vacuum plate for thin sheets and rigid media up to 11 mm thick (factory installed only)

**Productivity**
- Production:
  - Up to 215 m$^2$ per hour for 3 m model
  - Up to 260 m$^2$ per hour for 5 m model
- Quick and easy media loading
- Easy loading and printing in roll-to-roll mode

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

**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:
  - Standard range: 30% - 80% (non condensing)
  - Optimal range: 50% - 80% (non condensing)
- Machine weight:
  - Quantum 3+: 4,380 kg; crated: 5,780 kg
  - Quantum 5+: 5,900 kg; crated: 6,400 kg
- Height: 210 cm
- Width:
  - Quantum 3+: 670 cm
  - Quantum 5+: 820 cm
- Depth: 135 cm
- Electrical: 230/380 VAC 3 Phase +N + PE 50/60 Hz
  - Printing consumption: 1.8 kW, peak consumption: 5.7 kW
- Chiller: Cooling capacity 4.6 kW — required for LED UV curing (included)

**Fiery Digital Front End**
- Ships with the EFI Fiery™ proServer SE, included features and options:
  - FAST RIP (Fiery Accelerated System Technology)
  - Fiery Edge™ profiling technology
  - Fiery Color Profiler, Fiery Verify, Cut Marks, and File Export options
  - 1x printer option EFI, 1x printer option, M/XL/XXL
- File formats: EPS, PS, TIFF, PDF, JPEG

EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalised 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 0808 101 3484 (UK only) or +44 (0)1246 298000 (UK), or +61 (0) 7 3625 9200 (ANZ and Asia Pacific) for more information.