

**efi** Quantum LXR 3/5  
Superwide Inkjet LED Printers

Superior quality at a  
low cost of ownership



EFI™ Quantum LXR LED roll-to-roll printers offers the best in print quality, versatility, and total cost of ownership (TCO) in their class, so you can take on even the most demanding jobs quickly and effortlessly.

### ***At a glance***

- Superb price/speed/quality ratio
- Powerful LED curing technology
- Resolution up to true 1200 dpi
- Precise and sharp small text
- Seven picoliter drop size for high-definition image quality, and superb transitions, vignettes, skin tones, and shadows
- Modular and scalable printer
- Revolutionary workflows
- Robust and industrial-built platform
- 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 media
- Unique roll loader for up to 300% better media utilization – only 15.7 in (40 cm) of wasted material on every roll loading
- Carriage height adjustment and optional wrinkle analyzer
- Media Saving Wizard for revolutionary media stock management
- Available in 3.5 and 5.2 meter widths

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

- Light colors (LC, LM, LK) for sensational seven-color printing
- White printing
- Inline finishing for cutting and slitting
- Automatic backlit printing
- Automatic blackout printing
- Vacuum plate for printing on thin sheets and rigid media in a selection of sizes
- Wrinkle analyzer
- ID backprint
- Jumbo roll handling system
- ValuePro business analytics software
- iPhone application
- Mobile operator station with touch screen for maximum convenience

### ***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
- Flags
- Outdoor signage



### ***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
- Increases uptime and productivity with instant on/off and less maintenance
- Drives down operating costs with significantly less energy consumption
- Reduces waste with consistent color output and simple operation
- Satisfies customer requests for a greener print solution with low VOCs, lower power consumption, and less waste and consumables

### ***Revolutionize the way you work***

Adopt the revolutionary Quantum LXr workflows, to become more efficient and cost effective:

- **Print → Cut → Slit → Label → Collect.**

- Printing, slitting, cutting, and labelling is achieved simultaneously with the innovative EFI optional add-ons
- Replace expensive cutting machinery
- Save valuable time at the finishing station
- Prevent cutting and labelling errors
- Increase yield
- Save floor space
- Use skilled manpower for more profitable tasks

- **Automatic double-sided printing solutions**

- Innovative automatic Backlit and Blockout printing workflows
- Patented software algorithms with camera- or sensor-guided systems
- Easy and simple workflows for perfect registration between sides
- Eliminate guesswork and manual manipulation
- No need for super-skilled operator

## Printing technology

- Piezo drop-on-demand inkjet technology
- Print heads with inherent 7 pL drop size
- Up to 1200 dpi true resolution
- Colors: C, M, Y, K. Optional LC, LM, LK, and white

## Media/Handling

- Handles a wide variety of flexible and rigid substrates
- Maximum printing width:
  - Quantum LXr 3: up to 138 in (350 cm)
  - Quantum LXr 5: up to 198 in (500 cm)
- Roll-to-roll, free-fall, and multi-roll (2 or 3 rolls of 63 in/1.6 m)
- 300% better media utilization – only 15.7 in (40 cm) is wasted on each roll loading
- 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:
  - Quantum LXr 3 - 2,257 ft<sup>2</sup> ( 210 m<sup>2</sup>) per hour
  - Quantum LXr 5 - 2,687 ft<sup>2</sup> ( 250 m<sup>2</sup>) per hour
- Quick and easy media loading
- Fast roll-to-roll ↔ flatbed switching

## Quantum LED inks

- LED-curable UV inks
- Smaller dot gain
- Wide color gamut
- Environmentally friendly
- Superb durability

## Environmental considerations

- Compressed air: 87 psi (6 bar) airflow of 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:
  - Quantum LXr 3: 9,656 lbs (4,380 kg); crated: 12,742 lbs (5,780 kg)
  - Quantum LXr 5: 13,007 lbs (5,900kg); crated: 14,109 lbs (6,400 kg)
- Height: 82 in (210 cm)
- Width:
  - Quantum LXr 3: 264 in (670 cm)
  - Quantum LXr 5: 322 in (820 cm)
- Depth: 53 in (135 cm)
- Electrical: 3-phase, 32 Amp, 230V/50 Hz, 1.8 kW consumption
- Chiller: Required for LED curing (not included)

## Other

- RIP: Fiery® XF, Caldera, or other compatible system available in the market
- File formats: EPS, PS, TIFF, PDF, JPEG

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