



## 64" UV LED Roll-to-Roll Printer

The Mutoh XpertJet 1682UR is a 64" (162 cm) high-performance UV LED roll-to-roll printer, powered by MUTOH's new environmentally responsible and safe **US81 UV inks** (CMYK, White and Varnish).

Delivering productivity up to **27.3 m<sup>2</sup>/h** and superb image quality up to **1440 x 1440 dpi**, the XpertJet 1682UR is the ideal solution for flexible and durable graphics production.

Unleash your creativity with advanced multi-layer printing:

- **5-layer printing** - graphics with different visuals front-to-back
- **4-layer printing** - frontlit/backlit combinations with stunning effect
- Print on transparent, coloured, and non white materials
- Add **spot varnish** for brilliant eye-catching finishes

Enjoy the full power of MUTOH's **genuine VerteLith RIP** software, combined with automated calibration and comfort features for **flawless production, efficiency, and ease of use.**

## Product Highlights

- **CMYK, White and Varnish UV LED printer**
- **Two 1440 nozzle heads and two 4" UV LED lamps**
- Speeds up to **27.3 m<sup>2</sup>/h**
- Single-pass **5-layer printing** without media pull back
- **Frontlit/backlit combination & gloss embellishment graphics**
- **High level of user comfort** – multiple automated calibrations
- **Environmentally responsible and safe US81 inks - GREENGUARD Gold certified** (available soon)

## Application Possibilities

The XpertJet 1682UR with US81 inks is ideally suited for the production of a wide variety of high-quality, durable graphics, including:

- Customized wall décor and interior decoration
- Exhibition and event graphics
- POP & retail displays
- Floor & window graphics
- Soft signage and tarpaulin graphics
- Multi-layer prints (frontlit/backlit, 5-layer, 2.5D/relief printing, spot varnish effects)



## Key Specifications

Print Technology	Drop-on-demand micro piezo inkjet
Print Head	2 - staggered setup
Head Heights	Low: 1.5 mm / Middle: 2.0 mm / High: 2.5 mm
Nozzle Configuration	180 nozzles x 8 lines (each head)
Ink Setup Possibilities	2x4 CMYK or CMYK, Wh & Va
Resolutions	Up to 1440 x 1440 dpi
Drop Mass Range (pl)	3.8 to 28 pl
RIP	MUTOH genuine VerteLith RIP included - advanced 6 colour support



## Media Specifications

Maximum Media Width	1625 mm – 64"
Maximum Print Width	1615 mm – 63.58"
Maximum Media Thickness	0.3 mm / 0.8 mm / 1.3 mm
Media measurements	Standard non motorized roll off system : Ø 200 mm / 2" and 3" / 30 kg
Motorized Take Up Systems*	30 kg – start/stop linked to printing – roll up Ø 150 mm 40 kg – stepless speed adjust – roll up Ø 250 mm

\*To handle full rolls and perform overnight printing, the 40 kg model should be used.

## Performance (m<sup>2</sup>/h)

Print Mode	4 colours CMYK	6 colours CMYK, Wh, Va	
	Single layer	Single layer	2 layers
Draft	27,3	13,2	7,1
High Speed	15,8	8,8	4,7
Production	13,0	6,8	3,4
Quality	8,9	4,4	2,0
High Quality	6,6	3,4	1,7

## Ink Specifications

Ink Type	US81 series flexible UV LED inks
Ink Colours/Volume	C, M, Y, K, White, Varnish : Pack - 800 ml
Key Characteristics	<ul style="list-style-type: none"> <li>• Excellent abrasion and scratch resistance</li> <li>• Flexible – up to 200 % elongation</li> <li>• Highly opaque white ink</li> <li>• Wide media compatibility</li> <li>• SVHC free – Substances of Very High Concern</li> <li>• CMR free – Category 1 – no carcinogenic, mutagenic nor reproduction toxic substances</li> </ul>
Certification	GREENGUARD Gold certified – category Wallpaper

## Power Consumption / Environmental Conditions / Dimensions

During Printing	950 W or less
Sleep Mode	21 W or less
Power Supply	Voltage: AC 100V~120V ± 10 %/ AC 200V~240V ± 10 % Frequency: 50/60Hz ± 1Hz
Environmental condition – printer operation	Temperature: 20°C~32°C Humidity: 40%~60% RH – no condensing
Environmental condition – accuracy guaranteed	Temperature: 22°C~30°C Humidity: 40%~60% RH – no condensing
External Dimensions	(W) 2770 x (D) 895 x (H) 1504 mm (with ink pack adapters mounted)
Weight	181 kg (Printer body: 149 kg, stand: 32 kg)

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