MUTOH

XpertJet
XPJ-1682UR

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Düsseldorf/
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Product Preview

64" Six-Colour UV LED Roll-to-Roll Printer

Mutoh's XpertJet 1682UR is a 64" (162 cm) high-productivity UV LED printer built on Mutoh's award-winning latest-generation XpertJet print platform. The printer is powered by Mutoh's US61 series C, M, Y, K, White and Varnish SVHC[1] free inks.

Integrating two 8-channel monoblock 1440 nozzle print heads mounted in a staggered setup and two wide long-life 4" (101.6 mm) UV LED lamps mounted on both sides of the print head carriage, the XPJ-1682UR will deliver print resolutions up to 1440 x 1440 dpi. Prints are instant-dry, ready for application or post-treatment. Unlike other UV LED printers on the market, this printer can produce 5 layer graphics without media pull back, guaranteeing impeccable print results.

The XPJ-1682UR is a top performer, with high quality production print speeds up to 13.4 m^2/h and top print speeds up to 26.5 m^2/h. The printer comes bundled with Mutoh's genuine VerteLith RIP software offering advanced 6 channel support.

Unleash your creativity and discover numerous new applications. Add value with white and varnish inks which enable printing onto transparent and non-white substrates, multi-layer graphics and spot varnish effects.

Product Highlights

- 64" (162 cm) UV LED piezo drop-on-demand printer
- 6 colour channels : C, M, Y, K, Wh, Va
- Two 8-channel monoblock 1440 nozzle print heads
- Two 4" (101.6 mm) UV lamps
- Speeds up to 26,5 m^2/h
- Prints up to 5 layers without media pull back
- High user assistance - Multiple automated calibrations
- Environmentally responsible inks:
  no CMR category 1 ingredients, SVHC[1] free*

*Substances of Very High Concern. CMR Category 1 – no cancerogenic, mutagenic nor reproduction toxic substances
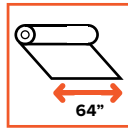
Application Possibilities

The XPJ-1682UR is ideally suited for the production of a wide array of high quality graphics : in-store promotional prints & deco graphics, POP & retail graphics, floor & window prints, customized wall décor prints, exhibition graphics, fine art prints and more.

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XpertJet

XPJ-1682UR

Made in Japan	Piezo Variable Drop
64" Wide	CMYK, Clear & White

Specifications XpertJet 1682UR

Maximum Media Width	1625 mm – 64"
Maximum Print Width	1615 mm – 65.58"
Number of Print Heads	Two 8-channel monoblock 1440 nozzle print heads, staggered setup
Head Heights	1.5 mm / 2.0 mm / 2.5 mm
Ink Setup Possibilities	2x4 Colour CMYK
	5 Colour CMYK + White
	6 Colour CMYK + White + Varnish
Productivity	
Typical Production Speeds	Up to 13.4 m^2/h (2x4 CMYK) / 6.4 m^2/h (CMYKWhVa)
Top Speeds	Up to 26.5 m^2/h (2x4 CMYK) / 13 m^2/h (CMYKWhVa)
Multi-Layer Printing	Up to 5 layers without media pull back
RIP	VerteLith™ – Mutoh genuine RIP software
Inks	US61 – 6 colours – C, M, Y, K, Wh, Va
	Reduced stickiness after curing /
	Highly opaque white ink
	Excellent abrasion and scratch resistance
	Flexible – up to 200 % elongation
Capacity Ink Containers	Bags – 800 ml
Take-Up System	30 kg standard - Linked to printer activity
Machine Dimensions	2770 x 897 x 1416 mm

Environmentally responsible US61 inks

Mutoh's future-proof UV LED US61 inks will allow you to be creative with peace of mind, knowing you're making a sustainable choice. They meet the current and expected near-future EU regulations on the use of chemical substances. They are also SVHC[1] and CMR[2] free, gentle on operators and compatible with a wide range of substrates.

[1] Substances of Very High Concern / [2] CMR category 1 - no carcinogenic, mutagenic nor reproduction toxic substances.

C M Y K W VA

High User Assistance for Uninterrupted Production

The XPJ-1682UR delivers the highest level of user assistance thanks to the integrated sensor which enables multiple automated adjustments (bi-dir alignment, media feed adjust, tracking of remainder media on a roll). These automated features will deliver increased efficiency and avoid waste. Users can also disable nozzle areas on the heads in case of blocked nozzles to continue production. With the optional automatic nozzle check unit, the printer will automatically detect missing nozzles and take appropriate action to continue production, without user intervention.

DropMaster 2   FEED MASTER   Media Tracker   Nozzle Area Select

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