Specialty / Industrial ‹

ValueJet 1638UR UV LED Printer

Expand your range of applications and produce real added value graphics with the ValueJet VJ-1638UR roll-to-roll wide format UV LED printer. It is a 162 cm (64") wide printer specifically developed for the commercial print and sign & display markets. The printer uses Mutoh's flexible UV LED CMYK, White and Clear 0% VOC inks which enable printing on the widest range of roll substrates.

The VJ-1638UR will create instant dry output, ready for application or post-treatment. It integrates two latest generation piezo drop-on-demand print heads delivering print resolutions up to 1440 x 1440 dpi and two long-life UV LED lamps for fast curing. The printer requires no warm up time and is very energy efficient (< 770 Watt during printing) !

High added value can be created thanks to the use of white and clear inks enabling printing on transparent media and non-white substrates, multi-layer printing and spot varnish effects. Unleash your creativity and discover numerous new application possibilities !

Product Highlights

- UV LED dual head, dual lamp 162.5 cm (64") wide roll-to-roll printer
- Print resolutions up to 1440 dpi
- 4 - 6 colours - CMYK + White & Clear
- High opacity white ink for prints on transparent, black and coloured substrates
- Clear inks for (spot) varnishing and special effects / multi-layer printing
- Simultaneous white, colour and clear printing
- Prints come out dry & ready to finish or deliver
- Low energy consumption
- 0 % VOC ink – no air purifier needed

Application Possibilities

Production of high quality graphics : in-store promotion prints & deco graphics, floor & window graphics, general signage, customised structured wallpapers, event banners & exhibition graphics, backlit prints, fine art prints, packaging samples, etc.
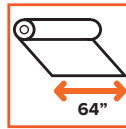
MUTOH

ValueJet
VJ-1638UR

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

64" LED UV Roll-to-Roll Printer

Technical Key Specifications

Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Heads	2 (staggered setup)
Nozzle Configuration	180 nozzles x 8 lines (each head)
Drop Mass Range (pl)	3.8 to 28
Head Height / Media Thickness	1.5/0.3 mm or 2.5/1.3 mm
Ink Drying System	2 long life LED UV curing lamps
LED UV Lamp Life	14.250 hours

Roll Media Specifications

Min./Max. Media Width	182 mm (7.17") / 1625 mm (63,97")
Max. Print Width	1615 mm (63,58")
Media Measurements *	Ø 150 mm / 2" & 3" / 30 kg
* : Standard non-motorised roll-off system	
Take-up Systems	Optional 30 kg and 100 kg motorised take-up systems

Ink Specifications

Ink Type	LED UV Flexible inks
Ink Colours / Volume	CMYK + Varnish : 220 ml cassette / 800 ml pack* White : 220 ml cassette / 500 ml pack*
* : 800 ml / 500 ml pack requires optional adapter	
Ink Setup	CMYK (CCMMYYKK) CMYK + White + Varnish (CMYK+2xWh+2xVa)
Compatibility	Typical (uncoated) sign & display substrates, wall papers, canvas, backlit, transparent, coloured or black media, fluorescent paper, metallic, mirror film, etc. Prints on heat-sensitive substrates such as polyolefin-based (PVC free) self-adhesive films Non-woven, PC, PE, PET, PES, PP, PS, PVC

* : Ink adhesion will vary among media type and brand. Individual testing is required in function of your choice of material, brand and specific application.

Performance

Print Resolutions	Up to 1440 dpi

Typical Print Speeds

4-Colour (Single Layer)		2,9; 5,7; 6,5; 13,5 m²/h
6-Colour		
	Single Layer CMYK	up to 5,2 m²/h
	Single Layer White	up to 13,5 m²/h
	Double Layer (1)	up to 2,5 m²/h
	Triple Layer (2)	up to 2 m²/h

(1) Double Layer: CMYK + White, CMYK + Clear
(2) Triple Layer: Simultaneous CMYK + White + Clear

Power Consumption

During Printing	< 770 Watt
In Stand-by / Sleep	< 55 W / < 25 W
Power Supply	AC 100-120 V / AC 200-240 - 60/50 Hz - ≤ 4.0 A / ≤ 2.0 A

Recommended Working Environment

Temperature	20 °C - 32 °C with Δt: max. 2 °C/h
Humidity	40 % - 60 % (no condensation) with ΔRH: max. 5 % RH/h

Machine Measurements

Width x Depth x Height	2983 x 818 x 1261 mm
Weight	189 kg (printer + stand)

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