

**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.





Made in Japan

Piezo Variable Drop

Energy saving

64" Wide

CMYK, Clear &amp; 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
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#### Typical Print Speeds

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

