

MUTOH ValueJet 1638UH



Dual Head LED-UV Printer for Rolls and Sheets

- > 64" (1625mm) LED-UV printer with dual heads and two UV curing lamps
- > Production speeds up to 21.7m²/h
- > Print to roll media and direct to rigid media up to 15mm thick
- > No outgassing - prints are ready for finishing as soon as they're printed
- > Virtually no set-up costs compared to Screen Printing
- > Scratch resistant - no need for messy primers on media like Corflute and acrylic
- > Two ink types: hard ink for rolls and sheets or soft ink for creasing and stretching
- > Choose either a double-CMYK configuration or CMYK plus white and varnish
- > Does not need an air purification system: inks are VOC free and contain no HAPs
- > Front and rear rigid media tables fold away when printing roll media
- > Optional SpectroVue VM-10 spectrophotometer attaches to the print carriage for recalibration and colour profiling
- > Impeccable print quality with Mutoh Intelligent Interweaving print technology (i2)



Specifications

Technical Key Specifications

64" Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Heads	Two heads in a dual staggered array
Nozzle Configuration	180 nozzles x 8 lines per head
Drop Mass Range (pl)	3.8 to 28
Head Heights (mm)	Automatic adjustment*

* Media thickness measured electronically; printer automatically adjusts head height

Roll Media Specifications

Media Width	Min: 182mm (7.17"), Max: 1625 mm (64")
Max. Print Width	1615 mm (63.58")
Max. Media Thickness	15 mm
Media Measurements *	Roll: Ø 150 mm / 2" & 3" / 30 kg

* Standard non-motorised roll-off system

Rigid Media Specifications

Media Width	Min: 182mm (7.17"), Max: 1625 mm (64")
Max. Print Width	1615 mm (63.58")
Max. Sheet Length	1200 mm per set of rigid media tables*
Max. Media Thickness	15 mm
Max. Media Weight	15 kg

* Use an additional set of rigid media tables for 2400mm long sheets and boards.

Ink Specifications

Ink Drying System	Two Mutoh LED low heat UV curing lamps
Ink Type	Mutoh LED-UV Ink: LUH1 (hard) or US11 (soft)
Ink Volume	220 ml Cartridge
Ink Setup	2 x CMYK CMYK + 2 White + 2 Varnish
UV durability – without lamination: up to 3 years outdoor *	

* Ink adhesion and durability will vary according to media type and brand. Individual testing is required according to your specific application.

For heavy duty applications where mechanical stress is involved, lamination is recommended. Outdoor durability is dependant on ink coverage, display conditions, media type and brand, lighting angle and other factors. Testing under your intended conditions is recommended.

MUTOH

Mutoh Australia
Unit 19 / 76 Reserve Rd
ARTARMON NSW 2064
Australia

phone: 1300 4 MUTOH
email: sales@mutoh-au.com
web: <http://www.mutoh.com.au>

ValueJet 1638UH

The Mutoh ValueJet 1638UH is an LED-UV printer that prints direct to a wide range of 1625mm roll media and rigid boards up to 15mm thick. Featuring dual, staggered print heads and two UV curing lamps, it boasts production speeds up to 22.7m²/h.

Ideal for one-off, short-run jobs, there's virtually no setup costs compared to Screen Printing. And prints don't need to be outgassed.

Our inks are VOC-free and contain no harmful HAPs so there's no need for an air purification system. Choose LUH1 (hard) ink for roll media like vinyl and banner, as well as rigid sheets. Or US11 (soft / flexible) ink for creasing and limited stretching. Mutoh inks have incredibly good adhesion with no need for messy primers when printing media like Corflute and acrylic.

Configure your VJ-1638UH with either double-CMYK or CMYK plus white and varnish. Layer white ink under colour when printing dark media or backlit window film. Use Varnish for a glossy clear coat or for highlighting with a spot varnish.

Buy only what you need. Increase productivity by adding options like a take-up unit for printing long rolls, or a pair of fold-away rigid media tables for large sheets and boards.

With so many performance and ease-of-use features, the Mutoh ValueJet 1638UH really is the first and only choice in LED-UV printing.

Performance

	4 Colour	6 Colour		
Print Mode	CMYK	CMYK Only	White Only	Layer Print*
1440 x 1440 dpi	5.68	1.42	5.68	0.73
720 x 1440 dpi	11.35	5.47	11.35	2.75
720 x 1080 dpi	14.23	6.83	14.23	3.45
720 x 720 dpi	22.71	11.27	22.71	5.50

Print speeds quoted in m²/h

* Layer Print: CMYK + White + Varnish

Power Consumption

During Printing	< 770 W
In Stand-by	< 52 W
Power Supply	AC 200-240 - 50 Hz

Recommended Working Environment

Temperature	22 °C - 32 °C with Δt: max. 2°C/h
Humidity	40 % - 60 % (no condensation) with ΔRH: max. 5% RH/h

Machine Dimensions

Width x Depth x Height	2983 x 818 x 1261 mm (printer)
Width x Depth x Height	2983 x 2730 x 1261 mm (inc tables)
Weight	197 kg (+ tables 43 kg each)



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