

# 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 21.7m<sup>2</sup>/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
- > Scratch resistant - no need for messy primers on media like Corflute and acrylic
- > Two ink types: hard ink for rolls and sheets; soft ink for creasing and stretching
- > Choose either a double-CMYK configuration or CMYK plus white and varnish
- > Front and rear rigid media tables fold away when printing roll media
- > Impeccable print quality with Mutoh Intelligent Interweaving print technology (i<sup>2</sup>)
- > Optional SpectroVue VM-10 spectrophotometer attaches to the print carriage for recalibration and colour profiling
- > Mutoh LED-UV inks are VOC-free and are non-HAP



## 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 UV curing lamps
Ink Type	LED-UV Inks
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.

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## 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. With dual, staggered print heads and two UV curing lamps, the VJ-1638UH boasts production speeds up to 22.7m<sup>2</sup>/h.

Printed jobs don't need to be outgassed. Your prints are ready for finishing and shipping as fast as you can print them.

Choose either hard or soft inks to suit your needs. LUH1 (hard) ink is suitable for rolls like vinyl and banner, as well as rigid sheets. US11 (soft / flexible) ink is great for media with creasing and stretching requirements. Mutoh UV inks offer high adhesion too. Prints are hardy and scratch resistant and there's no need for messy and expensive primers when printing sheet media like Corflute and acrylic.

The ValueJet 1638UH offers two colour configurations: double-CMYK or CMYK plus white and varnish. White ink can be printed under colour when using dark media or for making backlights. Use the varnish for an all-over clear gloss coat or for spot varnish effects.

### Performance

Print Mode	4 Colour		6 Colour	
	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 m<sup>2</sup>/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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