



Dual Head LED UV Printer for Flex & Rigid Media

The ValueJet VJ-1638UH is a dual head LED UV hybrid printer delivering increased print & cure performance. 165 cm (64") wide, the VJ-1638UH is all about versatility; it is the ideal tool to expand your business with the widest possibility of commercial print applications. The printer accommodates 1625 mm (63.97") roll media up to 30 kg as well as rigid boards up to 1625 mm x 1200 mm (63,97" x 47,24") up to 15 mm thick and up to 15 kg.

This printer will enable you to maximise your creativity! Next to CMYK, the VJ-1638UH also can be set-up with varnish and white to handle transparent or non-white substrates without losing colour power or to create special print effects and multi-layer printing for graphics with high added value.

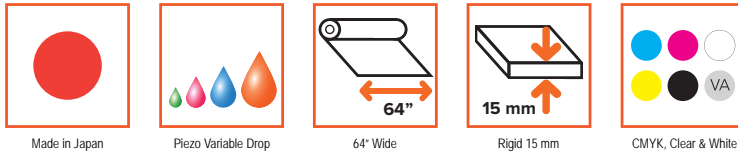
Product Highlights

- 1625 mm (63.97") wide LED UV roll as well as rigid printing
- C, M, Y, K LED UV inks – Optional White & Varnish
- Prints come out dry and ready to finish or deliver
- Low energy consumption – Low heat generation, ideal for heat sensitive media
- 0% VOC - non-HAP - no air purifier needed
- Automatic media thickness measurement & head height adjustment

Application Possibilities

High quality graphics for short viewing distances such as trade show graphics, POP & retail signage, backlit banners, individualised wallpaper & interior decoration, small lot packaging prototypes, banners, posters, etc..





64" (165 cm) Wide Dual-head LED UV Printer

Technical Key Specifications

Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Head	2 (staggered setup)
Nozzle Configuration	180 nozzles x 8 lines (each head)
Drop Mass Range (pl)	3.8 to 28
Head Heights	Automatic*
* : Media thickness is measured electronically and head height is automatically adjusted	
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")
Max. Media Thickness	15 mm
Media Measurements *	Ø 150 mm / 2" & 3" / 30 kg
* : Standard non-motorised roll-off system	
Ink Drying System	2 Long life LED UV curing lamps

Rigid Media Specifications

Min./Max. Media Width	182 mm (7.17") / 1625 mm (63.97")
Max. Print Width	1615 mm (63.58")
Max. Media Length	200 (7.87") - 1200 mm (47.24")
Max. Media Thickness	15 mm
Max. Media Weight	15 kg
Ink Drying System	2 Long life LED UV curing lamp

Ink Specifications

Ink Type	LED UV inks - Rigid and Flexible types
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	ABS, Aluminium board, Cardboard, Fluted & corrugated boards, Glass, heat sensitive flex media like Polyolefin-based (PVC-Free) self-adhesive films, Non-woven, PC, PE, PET, PES, PMMA (acrylic), PP, PS, PVC *

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

Performance

	4-colour setup		6-colour setup	
	CMYK	CMYK only	White only	Layer Print*
1440 x 1440 Uni	2.86 m ² /h	0.72 m ² /h	2.86 m ² /h	0.37 m ² /h
1440 x 1440 Bi	5.68 m ² /h	1.42 m ² /h	5.68 m ² /h	0.73 m ² /h
720 x 1440 Uni	5.72 m ² /h	2.75 m ² /h	5.72 m ² /h	1.39 m ² /h
720 x 1440 Bi	11.35 m ² /h	5.47 m ² /h	11.35 m ² /h	2.75 m ² /h
720 x 1080 Bi	14.23 m ² /h	6.83 m ² /h	14.23 m ² /h	3.45 m ² /h
720 x 720 Bi	22.71 m ² /h	11.27 m ² /h	22.71 m ² /h	5.50 m ² /h

* : CMYK + White or Varnish

Power Consumption

During Printing	< 700 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 (roll)
	2983 x 2730 x 1261 mm (rigid)
Weight	197 kg (printer + stand)

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Sign & Display



Pushing the Boundaries of Speed, Quality & Ease of Use

The Mutoh ValueJet 1638X dual head printer (1625 mm – 64”) incorporates the very latest piezo drop-on-demand head technology and new generation electronics. Targeted at sign and display applications, the printer addresses the needs of businesses focusing on both high speed production and top quality print work.

The VJ-1638X delivers sellable production speeds up to 36 m²/h and is ideal for established sign makers who need extra versatility and for larger operations that want to extend their capacity and flexibility. A ValueJet 1638X will deliver best-in-class speed and superior print quality, without compromise.

Product Highlights

- Compact printer, featuring proven technology, made in Japan
- Speed and quality – the real combination of both
- Cost-effective durable inks for long term outdoor and indoor applications
- Staggered dual head setup with latest generation 1440 nozzle piezo heads
- Mutoh i² Intelligent Interweaving and DropMaster technology inside
- Super high resolution prints at 20 m²/h (720 x 1080 dpi)

Application Possibilities

The VJ-1638X is suited for the production of a wide variety of outdoor and indoor prints : long-term outdoor posters, billboards, building announcements, signs and banners, backlit signage, POS displays, vehicle graphics, fine art reproduction, posters, etc.





64" Sign & Display 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 / head
Drop Mass Range (pl)	3.5 to 35
Head Heights	Low: 1.5 mm / Middle: 2.5 mm / High: 4.0 mm

Media Specifications

Max. Media Width	1625 mm (63,97")
Max. Print Width	1615 mm (63,58")
Max. Media Thickness	0.3 / 1.3 / 2.8 mm *
*: Max. media thickness is specified per head height	
Media Measurements *	Ø 150 mm / 2" & 3" / 30 kg
*: Standard non-motorised roll-off system	
Media Drying System	Individually & intelligently* controlled pre-heater, fixer & dryer (30 - 50 °C)**
*: Slowest heater starts first taking into account all target temperatures	
**: When printing onto slow drying media or applying high ink loads and/or printing at high speeds an additional drying system may be required.	

Performance

Speed	Details	Description
10 m ² /h	1080 x 1440 dpi 12 p	High Quality Mode
15 m ² /h	720 x 1440 dpi 8 p 720 x 1080 dpi 6 p	Standard Production Mode
20 m ² /h	720 x 1080 dpi 8 p	Fast Mode
36 m ² /h	720 x 720 dpi 4 p	Billboard Mode
94 m ² /h	360 x 360 dpi 1 p	Maximum Speed

Ink Specifications

Ink Type	Eco Ultra / UMS
Ink Volume	220 ml, 440 ml & 1000 ml * / 440 ml & 1000 ml *
*: 1000 ml pack requires optional adapter	
Ink Colours	CMYK
Ink Consumption *	8 ml / m ²
*: Average ink consumption @ 720 dpi - coverage of 67 %	
UV durability—without lamination	3 years outdoor *
*: For heavy duty applications where mechanical stress is involved, lamination is required. Stabilisation is required prior to lamination.	

Power Consumption

During Printing	< 650 W
In Stand-by	45 W
Warming Up	≤ 1100 W (main) & ≤ 1250 W (heat)
Power Supply	AC 100-120 V / AC 200-240 - 60/50 Hz

Recommended Working Environment

Temperature	22°C - 30 °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	2698 x 885 x 1261 mm
Weight	221 kg

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