



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.





Made in Japan



Piezo Variable Drop



Intelligent Interweaving



DropMaster



Dual Head



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	Standard Production Mode
	720 x 1080 dpi 6 p	
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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Sign & Display



High Quality & High Speed Production Printer

Discover the ValueJet 2638X sign & display printer (2600 mm – 102”). The dual head VJ-2638X delivers unrivalled print quality thanks to its high-precision mechanical design, latest piezo inkjet head technology and an unprecedented level of print automation!

Flexible, reliable and able to deliver excellent print quality for volume production, the printer addresses the needs of businesses focusing on both high speed production and top quality print work. The VJ-2638X is ideal for established sign makers who need extra versatility and for larger operations that want to extend their capacity and flexibility.

A ValueJet 2638X will deliver best-in-class speed and superior print quality at sellable production speeds up to 39 m²/h.

Product Highlights

- Robust printer, featuring proven technology, made in Japan
- Staggered dual head setup with latest generation 1440 nozzle piezo heads
- Extreme print quality & sharpness at all production speeds
- Mutoh Intelligent Interweaving (i²) & DropMaster technology inside
- Super high resolution prints at 22 m²/h (720 x 1080 dpi)
- Production speeds including 33 and 39 m²/h @ 720 x 720 dpi
- Durable prints on coated & uncoated substrates – exterior durability up to 3 years

Application Possibilities

The VJ-2638X 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.





Made in Japan



Piezo Variable Drop



Intelligent Interweaving



DropMaster



Dual Head



102" 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
Drop Mass Range (pl)	3.6 to 35.2
Head Heights	Low: 1.5 mm / Middle: 2.5 mm / High: 4.0 mm

Media Specifications

Max. Media Width	2600 mm (102,36")
Max. Print Width	2590 mm (101,97")
Max. Media Thickness	0.3 / 1.3 / 2.8 mm *
*: Max. media thickness is specified per head height	
Media Measurements *	Ø 250 mm / 2" & 3" / 100 kg
*: Standard motorised unwinding / winding system	
Media Drying System	Individually controlled pre-heater, fixer & dryer (30 - 50 °C)

Power Consumption

During Printing	< 1000 W
In Stand-by	160 W
Warming Up	≤ 2200 W (main) & ≤ 1850 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	3708 x 885 x 1261 mm
Weight	283 kg

Performance

Description	Details	Head Speed	i ² Print Effect	Speed
High Quality	720 x 1440 8p	Slow	HQ	12 m ² /h
Quality	720 x 1080 6p	Slow	HQ	16 m ² /h
Quality Production	720 x 1080 6p	Fast	HQ	22 m ² /h
Production	720 x 720 4p	Fast	HQ	33 m ² /h
Speed Production	720 x 720 4p	Fast	SPEED	39 m ² /h
Billboard	360 x 720 2p	Slow	OFF	48 m ² /h

Ink Specifications

Ink Types	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.	

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