



Made in Japan



Eco Ultra/
UMS

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 new DropMaster technology
- Super high resolution prints at 20 m²/h (720 x 1080 dpi)
- Production speeds including 29 and 36 m²/h @ 720 x 720 dpi
- Suited for the production of certified prints – Indoor Air Comfort

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 Head | 2 (staggered setup) |
| Nozzle Configuration | 180 nozzles x 8 lines / head |
| Drop Mass Range (pl) | 3.5 to 35 |
| Head Heights (mm) | Low : 1.5 / Middle: 2.5 / High : 4.0 |

Media Specifications

| | |
|--|---|
| Media Width | 900 mm (36.8") - 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 | Highly recommended for |
|------------------------|----------------------|--------------------|--|
| 10.0 m ² /h | 1080 x 1440 dpi 12 p | High Quality | Miniature output with intricate details |
| 15.0 m ² /h | 720 x 1440 dpi 8 p | Quality | Photo quality |
| 20.0 m ² /h | 720 x 1080 dpi 6 p | Quality Production | Small size print to cut stickers |
| 29.0 m ² /h | 720 x 720 dpi 4 p | Production | Standard production |
| 36.0 m ² /h | 720 x 720 dpi 4 p | Speed Production | Speed production |
| 48.0 m ² /h | 360 x 720 dpi 2 p | Billboard | Billboard speed Applicability to be judged on individual basis |
| 94.0 m ² /h | 360 x 360 dpi 1 p | Max. Speed | Sprint speed Applicability to be judged on individual basis |

Ink Specifications

| | |
|---|---|
| Ink Type | Eco Ultra / UMS* |
| *: Prints made with Mutoh UMS inks on Graftyp GEF non pvc film have obtained an indoor air comfort certificate issued by Eurofins. The first European certificate for interior deco prints. | |
| Ink Volume | 220 ml, 440 ml & 1000 ml * / 440 ml & 1000 ml |
| * : 1000 ml bags requires optional adapter | |
| Ink Colours | CMYK |
| Ink Consumption * | 8 ml / m ² |
| * : Average ink consumption graphics @ 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 |

SPECIFICATIONS

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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