MUTOH

ValueJet

VJ-1938TX

Direct Textile

75” (191 cm) Wide Direct-to-Textile Printer

ValueJet 1938TX is Mutoh’s new generation digital piezo drop-on-demand direct-to-textile printer combining proven technology with a high-precision mechanical design. Developed in Japan, the 75” (1910 mm) wide VJ-1938TX can print directly on a wide range of fabrics up to a thickness of 3.5 mm. The printer will deliver quality production speeds up to 40 m^2/h.

The 1938TX can print on closed, open non-stretch and limited stretch fabrics thanks to the incorporated ink gutter and a newly engineered high-end fabric feeding, tensioning and take-up system which will guarantee worry-free feeding and transport of fabrics. The preferred solution for garment printing professionals!

Product Highlights

- Dual staggered head design
- Variable drop printing - wide range of droplets & three drop families. Small droplets ideal for light fabrics.
- Larger droplets ideal for thicker fabrics requiring higher ink loads.
- Head height up to 6 mm
- Typical high quality production speeds up to 40 m^2/h.
- Newly engineered high end fabric feeding, front & back tensioning and motorised take-up system for media weights up to 100 kg.
- Integrated gutter system for open textiles.

Application Possibilities

The ValueJet 1938TX is specifically targeted at sampling of short run on-demand & local digital production of garments, upholstery, fashion, swimwear, interior deco fabrics, home textiles, flags, etc.

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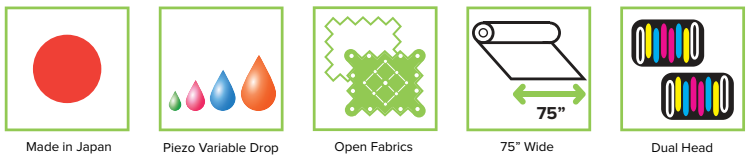

Made in Japan | Piezo Variable Drop | Open Fabrics | 75” Wide | Dual Head

75” (191 cm) Wide Direct-to-Textile 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)	3.3 to 45.3
Head Heights	Low: 2.5 mm / Middle: 3.5 mm / High: 6.0 mm

Media Specifications

Max. Media Width	1910 mm (75,19”)
Max. Print Width	1900 mm (74,80”)
Max. Media Thickness	1.3 / 2.3 / 3.5 mm *
* : Max. media thickness is specified per head height	
Media Measurements *	Ø 250 mm / 2" or 50.8 mm & 3” or 76.2 mm / 100 kg
* : Max. diameter / Core diameter compatibility / Max. mass	
Fabric Unwinding	Supports both face-in & face-out rolled fabrics
Fabric Winding	Face-in (tension only) / Face-out (tension or slack)

Power Consumption

During Printing	< 360 W
Off / Stand-by	≤ 0.5 W / ≤ 60 W
Power Voltage / Frequency	AC 100-240 V ± 10 % - 60 or 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	2983 x 1134 x 1261 mm
Weight	349 kg

Ink - Water-based Pigmented Direct Textile inks

Features	Green solution using only heat fixation. No water required for post treatment (e.g. washing, steaming)
Fabric Compatibility	Cotton, silk, rayon, mixed fibre, PES

Ink - Water-based Universal Sublimation inks (DS2-series)

Features	Transfer printing and direct printing. Excellent light, washing and perspiration fastness properties (ISO 105-B02, ISO 105-C02, ISO 105-E04) OEKO-TEX® Standard 100 compliant
Fabric Compatibility	Polyester and mixed fibre (min 80 % PES)
Ink Volume / Colours	1000 ml bottles / CMYK

Fabric Handling

The VJ-1938TX comes standard with a motorised unwinder/winder system. Perfect fabric transport is ensured by a sensor driven front and back tensioning system, allowing perfect roll preparation for after treatment on a calendar, fixation unit, wash or even steam unit, depending on the chosen ink chemistry. To handle different roll widths, the front and back core fixation flanges can be quickly and easily slid into position. Thanks to the head height range between 2.5 mm and 6 mm, the operator can load both short and long fibre fabrics, without having to worry about print head perturbation. A textile tensioning cylinder close to the print zone ensures that the fabric is kept under equal tension over the full printer width during printing.

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