MUTOH

ValueJet VJ-405GT

Made in Japan

Compact Size

Wide Print Area

Oeko-Tex® Compliant Inks

> Direct Textile

High Quality 5 Colour Direct-to-Garment Printer

Discover Mutoh's all new ValueJet 405GT direct-to-garment inkjet printer. Engineered & manufactured in Japan, the VJ-405GT offers both CMYK + White printing possibilities for the digital production of dark coloured and light coloured garments. Mutoh's Oeko-Tex® compliant water-based pigmented textile inks will allow you to produce vibrant colours with excellent white ink density on a variety of garments. Offering a printable area of 420 mm x 576 mm, the VJ-405GT printer is equipped with four piezo drop-on-demand print heads, producing print resolutions up to 1200 x 1200 dpi.

Compact & robustly built, the 405GT can be equipped with different sizes of easily interchangeable print platens (S, M, L). A 7 inch LCD touch screen display allows you to easily & swiftly operate the printer. The standard printer installer & driver software for Windows, as well as a Mutoh proprietary "layout & print" software tool facilitates quick & easy operation. T-shirt printing fun starts with Mutoh's ValueJet 405GT!

Product Highlights

- Compact printer, engineered & manufactured in Japan
- CMYK + White Oeko-Tex® compliant water-based pigmented textile inks
- White ink circulation system integrated
- Automatic garment collision detection
- Wide print area : 420 mm x 576 mm !
- Extreme print quality up to 1200x1200 dpi
- Easy & clickable print tables – up to L size
- User-friendly design with 7 inch LCD touch screen display

Application Possibilities

The VJ-405GT is specifically targeted at fashion designers, promotional garment printers, online web shop businesses as well as screen printers and is suited for sampling, customised one-off prints as well as short-run production of t-shirts, canvas bags, shoes, caps, etc..

MUTOH | *ValueJet* VJ-405GT

High Quality 5 Colour Direct-to-Garment Printer | SPECIFICATIONS

Technical Key Specifications

Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Heads	4
Nozzle Configuration	384 nozzles (192 x 2 lines) per head
Resolutions	600 x 600 dpi , 600 x 1200 dpi, 1200 x 1200 dpi
Head-Garment Collision Detection	Optical sensor

Media Specifications

Max. Size Print Table	428 x 600 mm	
Max. Print Area	420 x 576 mm	
Table Height Adjustment	15 mm	
Print Jig Accommodation	Height: max. 155 mm / Weight: max 7 kg	
Print Tables - Sizes	Table L	405 x 585 mm (Printable: 380 x 560 mm)
	Table M	335 x 485 mm (Printable: 310 x 460 mm)*
	Table S	255 x 355 mm (Printable: 230 x 330 mm)

*: Comes standard with a new printer.

Power Consumption

During Printing	≤ 130 W
In Stand-by	≤ 29 W
In Sleep Mode	≤ 17 W
Power Supply	AC 200-240 - 50 Hz
Noise	Printing 58.2 dB / Standby 33.1 dB

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	817 x 1425 x 488 mm
Weight	82 kg

Productivity VJ-405GT

Resolution	VJ-405 GT CMYK Output	VJ-405 GT CMYK + White Output
1200 x 1200 dpi	18 t-shirts per hour	9 t-shirts per hour
600 x 1200 dpi	28 t-shirts per hour	18 t-shirts per hour
600 x 600 dpi	72 t-shirts per hour	43 t-shirts per hour

The indicated number of printed T-shirts per hour is based on the output of an A4-size (297 mm x 210 mm) image. The calculated production time excludes data processing and garment mounting/unmounting times.

Inks and Pre-Treatment Specifications

Ink Type	Water-based pigmented direct textile inks Oeko-Tex® compliant	
Ink Volume	200 ml cassettes	
Ink Colours	CMYK + White	
Printable Substrates	Light & dark garments, 100% cotton, 100% PES, cotton/polyester mixed fibre fabrics with minimum 50% cotton	
Pre-Treatment Liquids	- Pre-treatment liquid for cotton:	
	- Required for white ink on coloured garment	
	- Optional for improved sharpness and colour yield on standard white cotton	
	- Pre-treatment liquid for printing onto 100% white light coloured PES	
Garment Handling	Thickness	Up to 155 mm (including mounting jig)
	Weight	Up to 2 kg (including platen)

Operation Info

Display	7 inch (156.7 x 89.1 mm) LCD touch screen
Connectivity	LAN (10/100BASE-T)
Required Operating System	Windows Vista, 7, 8 and up
Software	Mutoh Proprietary Layout and Print Tool
Supported File Types	BMP, JPEG, TIFF, PNG

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