

MUTOH
viper 100
DIGITAL TRANSFER PRINTER

2.6 m Dye Sublimation Inkjet Printer



- V** 102" (2.6 m) wide sublimation printer for transfer to fabric or rigid materials
- V** High speed printing on the thinnest available transfer papers
- V** Prints directly onto closed non-stretch polyester fabrics
- V** I² Intelligent Interweaving technology inside for impeccable quality every time
- V** Top quality production output at 42 m²/h
- V** Up to 81 m² (360 x 360 dpi) for high-volume production
- V** High performance disperse dye sub inks deliver deep & vivid colours
- V** Connects to Mutoh's Continuous Ink Supply System (BIS)



Maximum Media Width / Print Width

Maximum Media Width = 2604 mm (102.52")

Maximum Print Width = 2594 mm (102.12")

Application Possibilities

- Transfer on all possible flexible and rigid polyester materials, e.g. banners, flags, pennants, prototypes, sports goods (snow boards, helmets, ...), gadgets (umbrellas, mugs, mouse pads, clocks,...), apparel (blouses, rain jackets, t-shirts, sportswear, ...), personalized interior (curtains, sheets, ...), polyester coated ceramics and tile murals, tradeshow and exhibition graphics (carpets, customized banners, booth decoration, ...), floor graphics, POP-displays, posters, ...
- Direct printing on non-stretch polyester fabrics with closed structure : e.g. curtains, display cloth, ...

Inkjet technology / Ink Setup

- 8 High-End Piezo Print Heads – One colour / head - Variable drop – 2 nozzle rows with 180 nozzles each / head - drop mass (ng) : 5.4, 11.5, 14, 25, 28 and 41.5
- i² incorporated : Intelligent Interweaving technology provides impeccable digital printing. Quick and simple to set up, printing with i² saves time and trouble while producing outstanding results.
- Ink set-up possibilities: 4 x 4 – symmetrical or 4 x 4 - 1 colour / head

Ink Details

Mutoh high-speed dye sublimation inks - 1 liter & 5 liter bottles - C, M, Y, K

Excellent nozzle stability for high speed and high volume printing.

The Viper 100 connects to Mutoh's optional professional continuous ink delivery system (BIS).



Print Resolutions / Speed Levels

- Resolutions: 360 x 360 dpi, 720 x 360 dpi, 540 x 720 dpi & 720 x 720 dpi
- i² Intelligent Interweaving print technology means the Viper 100 delivers impeccable printing quality at production speeds up to 42 m²/h (360 x 360 dpi - 2 pass)
- Maximum print speeds up to 81 m²/h (360 x 360 dpi -1 pass)

Media Compatibility

Supports all typical dye sublimation transfer paper weights. Typical paper weights : from 70 g/m² to 150 g/m²

Roll lengths : 50 m to 150 m (max. 100 kg)

Compatible with closed non-stretch polyester fabrics.

Media thickness range: 0.08 mm – 1.5 mm / Maximum media diameter : 300 mm / Media core : 2" or 3" / Maximum load : 100 kg

Special Features for Dye Sublimation Printing :

Built for production of high quality images on the thinnest available transfer papers, the Viper 100 incorporates several high-end features :

Extendable ETT system:	Compensates media expansion during printing. Easily adaptable to support different media sizes.
Unwinder / Winder 100 system:	Offers perfect media tracking and results in straight winding of prints on the take-up roll. Easy and fast loading / unloading. Newly designed media flanges on the (un)winder system maximize the grip on the inside of the media core for accurate unrolling and adequate tensioning at the front side of the printer. The power grip mechanism allows to increase the grip on the cores without disturbing the media tracking.
Front and rear sensorised tension bar system:	Media will be moved under a constant tension. This is particularly important for after-treatment on a calendar.
Pressure roller disabler tool:	Allows transfer paper to expand when absorbing the dye-sublimation ink.
Adjustable head height:	Variable head height from 1.2 mm up to 4.0 mm allows users to print onto transfer papers without risking a head-strike
Three heating elements:	For media acclimatisation and drying of the prints. Individually controllable.

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