

- > 102" (2594 mm) print width
- > Delivers real-time production speeds of 22 m²/hour on uncoated banner
- > Prints directly onto a wide array of standard available uncoated vinyls and banners
- > For typical sign businesses focusing on volume production of mid-term outdoor prints
- > Proven drop-on-demand piezo inkjet technology

Spitfire 100 Mild-Solvent Printer



NEW NEW

Tuned for Mutoh's Spitfire mild solvent inks, the Spitfire 100 direct-to-vinyl printer features a completely new hardware design (new cosmetics, new ink supply path, new unwinder / winder system, new X/Y rail extrusion, new electrical pump system with one pump per head, illuminated print area (striplight) for visual inspection during printing, ...). Spitfire 100 incorporates eight 360 nozzle piezo drop on demand inkjet heads and 16 ink slots. Offered as a total solution, ready for volume production of outdoor prints, the Spitfire 100 moreover is a mild solvent friendly printer. All parts of the ink supply path (ink supply tubings, head caps, pumps, etc.) are solvent resistant. Together with the machine, Mutoh is supplying a "Good Shape Kit" (6 months autonomy), with all necessary parts to perform periodical maintenance in a trice.

::: Maximum Media / Print Width :

Spitfire 100 : max. media width : 2604 mm (102.52") / max. print width : 2594 mm (102.13")

::: Inkjet Technology

A Spitfire 100 printer incorporates eight 360 nozzle heads and has 16 ink channels. Drop-on-demand variable drop piezo inkjet technology.

::: Inks

Ink comes in safe and easy-to-use 220 ml ink cassettes.

Mutoh Spitfire mild solvent inks are specifically tuned for the sign industry. The inks have an outstanding colour gamut, capable of rendering saturated, brilliant colours. Spitfire inks also allow printing of ¾ tones and deep shadows. Because of their high saturation, ink restrictions can be set high, resulting in low ink consumption, although keeping much brilliance throughout the entire colour pallet at all luminance levels.

Image Permanence

Spitfire Mild Solvent inks will resist to cleaners, detergents and commercially available degreasers as good as high-end solvent printer ink. Ink is rapidly drying so that prints are touch dry and can be easily handled, immediately after printing¹. Outdoor durability of prints goes up to 2 years² and general purpose signs will not require lamination³.

Application Possibilities

Outdoor signage : point of purchase displays, tradeshow graphics, vehicle graphics, publicity banners, construction announcements, window graphics, stage graphics, backlight box signage, corporate graphics, ... Indoor graphics : photo blow-ups, floor graphics, ...

Environmental Conditions

Temperature: 18 °C – 27 °C

Relative Humidity (non-condensing): 40 % RH – 65 % RH

Performance

Engine Speed Range	Spitfire 100	
Ink Set-Up	2 x 4 Colours (CMYKCMYK)	6 Colours (CMYKLcLm)
360 x 360 ●●●●	6.0 – 42.0 ⁴	3.0 – 22.0
720 x 360 ●	5.8 – 22.8	2.9 – 11.5
720 x 720 ●●●●	3.0 – 13.0	1.5 – 6.5
●●● Variable Drop		● Fixed Drop

Typical production speeds on banner media : up to 22 m²/hour⁵

Typical production speeds on uncoated self-adhesive PVC : up to 13 m²/hour⁵

Spitfire 100 : a Total Solution !

- Set of start-up liquids & ink starter set
- Pre-mounted Motorized Media Unwinder / Winder system including front & rear media tensioning bars, capable of supporting 100 kg loads⁶
- 20.3 Gb hard disk for stand-alone reprint functionality
- Printer network interface card
- PostScript RIP software (Mutoh Edition of Onyx RIPCenter or PhotoPRINT SE)
- Good Shape Kit to keep your printer in excellent condition (6 months autonomy)

Options

- Mutoh APS Quatro Mini 3-stage Air Purification System. The APS Quatro Mini will take care of unpleasant and annoying smells and will bring solvent levels in the working area far below the accepted safety levels.

(1) Prior to lamination, stabilisation time is required.

(2) Based on accelerated weather tests. Northern European Standards.

(3) For heavy-duty applications where mechanical stress is involved (floor & vehicle graphics), lamination is required.

(4) Engine top speed applicability needs to be judged on individual basis.

(5) Speeds mentioned are real-time measurements for true production set-ups, using 1.5 m centre-loaded media in combination with the Unwinder & Winder functionality.

(6) For media widths over 1.6 m, it is recommended to mount Mutoh's media core brace - weight 20 kg, standard item.

