



Specialty / Industrial



Affordable Rigid and Roll Printer

Print on rigid media up to 16 mm & 15 kg and roll substrates up to 30 kg. The ValueJet 1627MH hybrid printer delivers high quality prints on the widest range of roll and rigid media, such as on ABS, aluminium sandwich board, cardboard, non PVC media, PE, PET, PMMA, PVC foam board, recyclable fibre based paper, uncoated polyester, Tyvek, heat sensitive substrates, ...

The ValueJet 1627MH comes with Mutoh's resin-based CMYK + white MP-31 inks, available in 500 ml packs. MP stands for "multi purpose", which refers to the unique capabilities of the inks and their extreme versatility. The high opacity white ink enables printing on transparent and coloured substrates. The MP-31 inks are also extremely stretchable and shrinkable, making them equally suited for high stretch applications such as car wrapping as well as thermo/vacuum forming and shrink applications. Unique for Mutoh's multi-purpose inks is that they will preserve the natural texture and look of substrates including for example matte or glossy look.

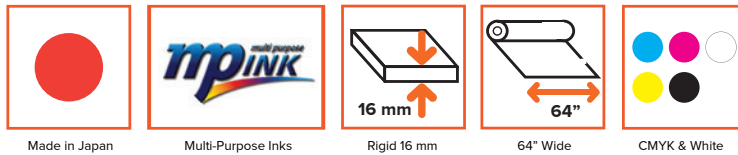
Product Highlights

- 64" (1625 mm) rigid and roll-to-roll printing
- CMYK + White Resin-based Multi-Purpose inks
- Extensive colour gamut and excellent image durability
- High opacity white ink for prints on transparent & coloured substrates
- Inks extremely stretchable and shrinkable
- Switching between rigid and roll setup is fast.
- Ideal for high definition prints for close viewing distances

Application Possibilities

The ValueJet 1627MH is equally suited for sign & display print shops for the production of booth indoor and long term outdoor prints, as well as for graphics companies looking for a digital solution for proofing of short run production of packaging prototypes or customised labels, even for industrial printers specialised in thermo forming.





64" (162 cm) Hot Air Hybrid Printer

Technical Key Specifications

| | |
|----------------------|--|
| Print Technology | Drop-on-demand Micro Piezo Inkjet Technology |
| Print Heads | 1 |
| Nozzle Configuration | 180 nozzles x 8 lines |
| Drop Mass Range (pl) | 4 to 21.3 |
| Head Height | Automatic * |

* : Media thickness is measured electronically and head height is adjusted automatically.

Rigid Media Specifications

| | |
|-----------------------|--|
| Min./Max. Media Width | 182 mm (7,17") / 1625 mm (63,97") |
| Max. Print Width | 1615 mm (63,58") |
| Max. Media Length | 200 mm (7,87") - 1200 mm (47,24") |
| Max. Media Thickness | 16 mm |
| Max. Media Weight | 15 kg |
| Media Drying System | Full width 64" air knife Typical media surface temperature: 40 °C - 50 °C |

Roll Media Specifications

| | |
|--|--|
| Min./Max. Media Width | 182 mm (7,17") / 1625 mm (63,97") |
| Max. Print Width | 1615 mm (63,58") |
| Media Measurements * | Ø 150 mm / 2" & 3" / 30 kg |
| * : Standard non-motorised roll-off system | |
| Media Drying System | Full width 64" air knife Typical media surface temperature: 40 °C - 50 °C |

Ink Specifications

| | |
|---|--|
| Ink Type | MP31 Multi-Purpose inks |
| Ink Colours / Volume | CMYK + White & cleaning / 500 ml pack |
| * : 500 ml pack requires optional adapter | |
| Ink Setup | CCMYK + cleaning / CMYK + White + cleaning |
| Ink Consumption | 6,6 ml/m ² |
| * : Average ink consumption at @ 720 dpi - (CMYK setup) | |

UV Durability CMYK – without lamination Up to 2 years outdoor *

* : In case mechanical stress is involved, protection (lamination ...) is required.
Stabilisation is required prior to lamination

Performance (m²/h)

| Print Mode | 4-colour | | 5-colour | |
|---------------|-----------|-----------|------------|-------------|
| | CMYK data | CMYK only | White data | White+ CMYK |
| 720 x 1440 HQ | 3,0 | 1,42 | 3,0 | 0,4 |
| 720 x 1080 HQ | 4,4 | 2,0 | 4,4 | 0,6 |
| 720 x 1440 Q | 6,1 | 2,8 | 6,1 | 0,8 |
| 720 x 720 HQ | 6,5 | 3,0 | 6,5 | 1,1 |
| 360 x 1080 HQ | 8,0 | 3,9 | 8,0 | 1,5 |
| 720 x 1080 Q | 8,1 | 3,6 | 8,0 | 1,2 |
| 720 x 720 Q | 12,1 | 5,6 | 12,0 | 2,09 |
| 360 x 1080 Q | 16,0 | 7,8 | 16,0 | 2,9 |

To ensure that a particular media type and brand fits your individual application and target speed, Mutoh suggests performing preliminary printing tests.

Power Consumption

| | |
|-----------------|--------------------------------------|
| During Printing | 2500 Watt or less |
| In Stand-by | 65 W or less |
| Warming up | 2440 W or less (2 sockets) |
| Power Supply | AC 100-120 V / AC 200-240 - 60/50 Hz |

Recommended Working Environment

| | |
|-------------|--|
| Temperature | 20 °C - 28 °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 818 x 1302 mm (roll) |
| Width x Depth x Height | 2698 x 2730 x 1302 mm (rigid) |
| Weight | 200.5 kg (printer + stand) 43 kg (table weight – per table) 18 kg (take-up unit) |

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