



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.

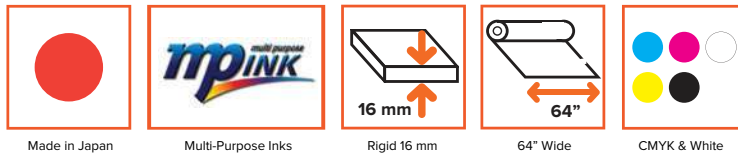
## Product Highlights

- 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 both 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 <sup>2</sup>
* : 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 (m<sup>2</sup>/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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