



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 1628MH 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 VJ-1628MH comes with Mutoh's unique MP31 resin-based 8-colours ink set : C, M, Y, K, Orange, Green, Blue and White. The ink set will deliver a very wide colour gamut. It will also enable extremely accurate colour reproduction thanks to the expanded gamut orange, green and blue colours. With the high opacity white inks you can print on transparent and coloured substrates. MP31 inks are also extremely stretchable and shrinkable, making them equally suited for thermo/vacuum forming and shrink applications. Another unique feature of Mutoh's multi-purpose inks is that they will preserve the natural texture and look of substrates including for example matte or glossy look.

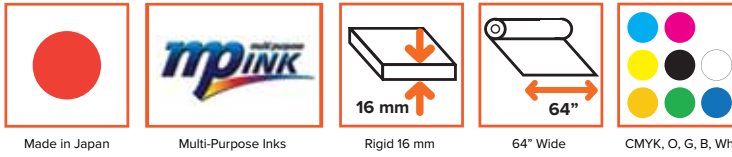
### Product Highlights

- 64" (1625 mm) rigid and roll-to-roll printing
- Rigids up to 16 mm / 15 kg – roll substrates up to 30 kg
- Switching between roll and rigid setup is fast
- Speeds up to 20 % faster versus ValueJet 1627MH
- 8 colour ink set : C, M, Y, K, O, G, B, Wh
- Very wide colour gamut and extremely accurate colour reproduction
- Ideal for high definition prints for close viewing distances
- Maintain the true look and feel of the substrate you are printing on
- Inks extremely stretchable and shrinkable

### Application Possibilities

The ValueJet 1628MH is equally suited for sign & display print shops for the production of both indoor and 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	4 colours (C, M, Y, K) 5 colours (C, M, Y, K, Wh) 7 colours (C, M, Y, K, Or, Gr, Bl) 8 colours (C, M, Y, K, Or, Gr, Bl, Wh)
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, 7 or 8-colour	
	CMYK data	CMYK only	White Only data <sup>1)</sup>	White+ CMYK
1440 x 1440 HQ	1,36	0,57	0,57	0,20
1440 x 1440 H	2,49	1,04	1,04	0,37
720 x 1440 HQ	3,03	1,42	1,42	0,42
720 x 1440 Q	6,09	2,85	2,85	0,85
720 x 1080 Q	8,09	3,67	3,67	1,27
720 x 720 Q	11,95	5,65	5,65	2,09

<sup>1)</sup> If the printer is set-up in 5-Colour mode, the speed for white only data printing corresponds to the speed of the 4-Colour configuration.

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	201.6 kg (printer + stand) 43 kg (table weight – per table)

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