



ValueJet VJ-1617H



A versatile high definition printer

Meet the VJ-1617H, Mutoh's first Sign & Display printer equipped with white inks. The ValueJet 1617H hybrid printer delivers high quality prints on a wide variety of roll and rigid media, such as uncoated polyester, PP, PE, ABS, PET, non-pvc self-adhesive media, uncoated Tyvek, cardboard, recyclable fibre-based paper, PVC foam board, aluminium sandwich board, ...

The ValueJet 1617H utilises Mutoh's MP11 Multi-Purpose inks, offering print compatibility with a unique range of substrates. The MP11 CMYK + White inks are non-petrochemical based. The key carrier, comprising 50 % of the ink, is derived from corn.

An ideal fit for print providers who supply customers demanding "green output" (recyclable media).

Product Highlights

- 64" (1625 mm) rigid and roll-to-roll printing
- CMYK + White renewable resource inks
- White ink circulation pump to prevent pigment sedimentation
- Prints on a wide range of uncoated substrates
- Extensive colour gamut and excellent image durability
- Reliable high quality printing with Mutoh's i² Intelligent Interweaving print technology

Application Possibilities

Mutoh's ValueJet Hybrid roll-to-roll & rigid digital inkjet printer is the ideal partner for start-up companies as well as established print businesses wanting short run production of roll prints and panel creation for close viewing distances. It is the versatile, economic option that reduces impact on the environment.





ValueJet VJ-1617H



Rigid & Roll-to-roll Printer

SPECIFICATIONS

Technical Key Specifications

Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Head	1
Nozzle Configuration	180 nozzles x 8 lines
Drop Mass Range (pl)	3.6 to 15.5
Head Height	Automatic *

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

Roll Media Specifications

Min./Max. Media Width	182 mm (7.17") / 1625 mm (63.97")
Max. Print Width	1615 mm (63.58")
Max. Media Thickness	15 mm
Media Measurements *	Roll: Ø 150 mm / 2" & 3" / 30 kg

* : Standard non-motorised roll-off system

Media Drying System	Full width 64" air knife Temperature range: 65° - 75° - 85° C (air temp.) Typical media surface temperature: 50 °C or lower
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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	1200 mm (47.24")
Max. Media Thickness	15 mm
Max. Media Weight	15 kg
Media Drying System	Full width 64" air knife Temperature range: 65° - 75° - 85° C (air temp.) Typical media surface temperature: 50 °C or lower

Ink Specifications

Ink Type	MP11 Multi-Purpose inks
Ink Colours / Volume	950 ml (CMYK) / 500 ml (White)
Ink Setup	CCMMYK+cleaning / CMYK+white+cleaning
Ink Consumption *	8 ml / m ²

* : Average ink consumption at @ 720 dpi - coverage of 67 %

UV durability CMYK - without lamination Up to 3 years outdoor *

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

Performance	4-colour setup		5-colour setup	
	2 x CMYK	CMYK only	White only	CMYK+White
720 x 1080 HQ	3.4 m ² /h	1.75 m ² /h	2.9 m ² /h	0.3 m ² /h
720 x 1080 Q	6.8 m ² /h	3.5 m ² /h	6.0 m ² /h	0.9 m ² /h
720 x 720 HQ	4.3 m ² /h	2.25 m ² /h	4.4 m ² /h	0.6 m ² /h
720 x 720 Q	8.7 m ² /h	4.5 m ² /h	8.8 m ² /h	1.5 m ² /h
720 x 540 HQ	6.5 m ² /h	3.2 m ² /h	2.9 m ² /h	0.9 m ² /h
720 x 540 Q	10 m ² /h	6.5 m ² /h	5.8 m ² /h	2.1 m ² /h

Power Consumption

During Printing	2100 W (2 sockets)
In Stand-by	65 W
Warming Up	2440 W (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 2486 x 1302 mm (rigid)
Weight	234.5 kg (roll) - 319.5 kg (rigid)

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