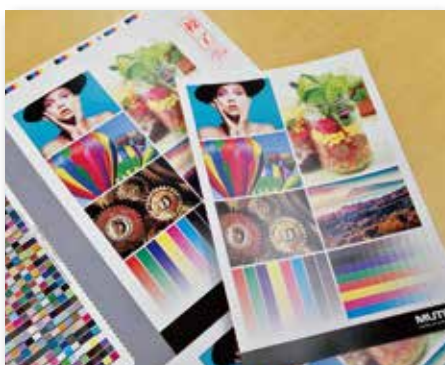**mp INK** *multi purpose* **31**

ValueJet 1628MH

64"/1625mm wide hybrid printer with Multi-Purpose ink

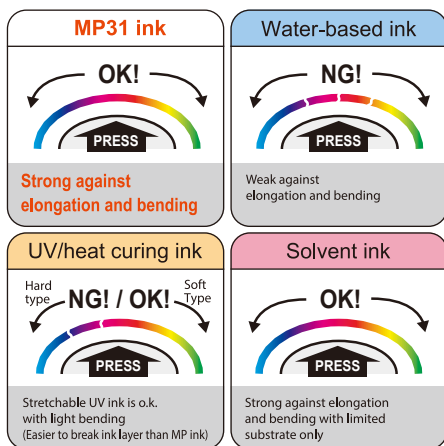Print on roll media and rigid media up to 16mm thick

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Supports up to 8 colors including light inks for smoother gradation expression
Wide range of media compatibility with roller cancellation function

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Coming with Multi-Purpose ink "MP31"
produces beautiful prints on a variety of materials

Media flexibility   Fits vacuum forming, thermoforming processing applications due to its high resistance to heat and elongation

Strengthening expressiveness   Produces smooth surface and natural finish, preserves the original texture of the print materials

High tolerance   Equivalent to eco solvent ink in "weather resistance", "abrasion resistance", "color development"

Multi-Purpose "MP31 ink" achieves media flexibility

MP31 ink	Water-based ink
OK! PRESS	**NG!** PRESS
Strong against elongation and bending	Weak against elongation and bending

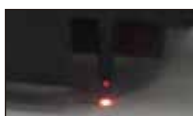| UV/heat curing ink	Solvent ink
Hard type **NG! / OK!** Soft Type PRESS	**OK!** PRESS
Stretchable UV ink is o.k. with light bending (Easier to break ink layer than MP ink)	Strong against elongation and bending with limited substrate only

"MP31 ink" is similar to eco-solvent ink in "weather resistance", "abrasion resistance" and "color development", and yet it produces smooth and natural finish preserving the texture of the print substrates. It is also tough against heat and elongation, and the printing surface is not easily broken even when bent. "MP31 ink" can be used to print and process on the materials for vacuum molding and thermo-forming materials. It is ideal for commercial printing, industrial printing and sign & display applications.

A mechanism that enables support for a wide range of media

Blower Heater
Gently dries the entire printing surface. The temperature and air pressure of the heater can be set and changed.

Automatic media height adjustment mechanism
Easy setting of media setting position and print start point. Capable of printing on media thicknesses of up to 16mm.

Built-in head strike prevention sensor
Protects the print head from collisions with the media.

Transport roller system
Rubber rollers provide rigid media versatility. In addition, the "roller cancellation function" allows each pressure roller to be set independently according to the media and application.
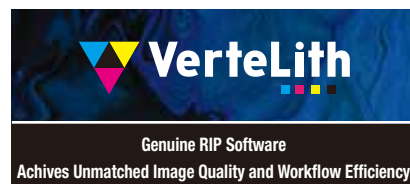
Media retainer (Optional)
Guide the set position of right media and hold the front edge of the media.

Take-up systems(Optional)
30kg, 40kg take-up units are available.

MUTOH Genuine RIP Software

VerteLith

Genuine RIP Software
Achives Unmatched Image Quality and Workflow Efficiency

● **High quality technology to optimize the performance of MUTOH printers**
● **Two preview functions can reduce mistakes and waste**
● **Workflow efficency**

■ Color Management RIP Software

CGS ORIS **FLEX PACK**

Color management RIP software with a high-precision color matching function with printed materials and a calibration function that achieves stable color reproduction.

ValueJet	VJ-1628MH

Print head	Print method	On-demand piezoprint head
	Head height	Automation (max thickness: 16mm)
Max media width		1,625mm / rigid and roll media
Printable width		Max: 1,615mm Minimum: 182mm/ rigid and roll media
Ink	Type	MP31 ink
	Ink set	4 colors (C, M, Y, K) / 5 colors (C, M, Y, K + White) 7colors（K・C・M・Y・Lc・Lm・Lk）/8 colors (C, M, Y, K, Lc, Lm, Lk, White)
	Volume	220ml cartridge,500ml bag (An optional adapter is required)
	No. of slot	8
Print resolution		1440/1080/720dpi(Total 6 modes)
Interface		Ethernet (10BASE-T/100BASE-TX)
Media measurements		Rigid media: Max length 1200mm Min. length 200mm / 15kg or less * To print on rigid media, the optional media feeding table is required. Roll media: Ø 150 mm / 2" & 3" / 30 kg or less
Media-drying system		Blower heater system: 1200W x 2
Power requirements		AC100-240V±10%, 50/60Hz±1Hz
Printable environment		Temperature：20-28℃Humidity: 40-60%RH (non-condensing)
Electrical power consumption		Operation status: 300W, 2400W/ 2lines at AC200-240V 300W, 1200W, 1200W/ 3lines at AC100-120V
Dimensions (WxDxH) / weight		Printer including media feeding table：2,698x2,730x1,302mm Printer: 168.6kg Stand: 33kg Media feeding table F/R: 43kg each 30kg take-up system: 21kg 40kg take-up system: 18kg
Take-up system (optional)		30 kg and 40kg take-up systems
RIP software (optional)		VerteLith,CGS ORIS FLEX PACK, SAI FlexiSIGN& PRINTMUTOH Edition

*The specifications are subject to change without notice

■ Optional items

Product model	Description
IJ-RIP-01	MUTOH Genuine RIP software "VerteLith"
Color management RIP software	CGS ORIS FLEX PACK
VJ-HCIPADPT	High-capacity ink pack adapter 4 pieces/box
VJ16/19-TUP30U	Take-up unit (Supported media: up to 30kg)
VJ16/19-TUP40U	Take-up unit (Supported media: up to 40kg)
VJ-1617H-TBL	Rigid media feeding table
VJ-1617H-RLR	Media Support
VJ16-MRT	Media Retainer

■ Supplied products

Product name	Product model	Unit	
MP ink	MP31-BK500	Black	500ml ink bag
	MP31-CY500	Cyan	
	MP31-MA500	Magenta	
	MP31-YE500	Yellow	
	MP31-WH500	White	
	MP31-CL500	Cleaner	
	MP31-BK220	Black	220ml cartridge
	MP31-CY220	Cyan	
	MP31-MA220	Magenta	
	MP31-YE220	Yellow	
	MP31-WH220	White	
	MP31-LC220	Light Cyan	
	MP31-LM220	Light Magenta	
	MP31-LK220	Light Black	
	MP31-CL220	Cleaner	
	MP31-CL1000B	Cleaner	1000ml bottle
Supplied products	RH2 Clean stick	Cleaning Stick (100 pieces/box)	
	POLYNITW2	Polyester Knit Wipe (300 pieces/box)	
	VJ1608-FB-SO20	Flushing Pad (20 pieces/box)	
	VJ-HCIPAR	VJ Adapter Plug (20 pieces/box)	
	VJ-WIP	VJ series replaceable wiper set (2 pieces/box)	

**500ml ink bags require optional adapter