MUTOH

mp INK 31 multi purpose

| CMYK | CMYK &White | CMYK LcLmLk | CMYK LcLmLk &White | CMYK OrBlGr | CMYK OrBlGr &White |

W1625mm — Media width Max.1625mm

MAX 16 mm — Media thickness Max.16mm

ValueJet 1628MH

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

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

Supports up to 8C, including light-color or spot-color inks, for rich expressiveness
Wide range of media compatibility with roller cancellation function

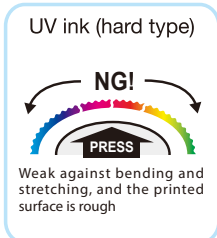## Coming with Multi-Purpose ink "MP31" produces beautiful prints on a variety of materials

Media flexibility   Accomodates 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[1]", "abration resistance" and "color development"

Mulit-purpose ink "MP31" achieves media flexibility

MPink

OK!

PRESS

Strong against bending and stretching

Latex ink

OK!

PRESS

Due to ink fixation at high temperature, available applications are limited

UV ink (soft type)

OK!

PRESS

Strong against bending and stretching, but the printed surface is rough and less color developing

UV ink (hard type)

NG!

PRESS

Weak against bending and stretching, and the printed surface is rough

MP31 ink is similar to eco-solvent ink in "Weather resistance*[1]" "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 thermoforming materials. It is ideal for commercial printing, industrial printing and sign & display applications. *1 Except for orange ink

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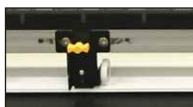
Automatic media height adjustment mechanism
Easy setting of media setting position and print start point. Capable of printing on media thicknesses of up to 16mm.

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.
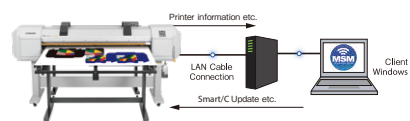
MUTOH Genuine RIP Software (Optional)

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**
*VerteLith does not support spot color inks

MUTOH Status Monitor (MSM)
monitoring the printers' operation status in real time

MSM monitors your MUTOH printer status on your PC. It enables you to confirm printing data volume, ink consumption, and also printing performance, statistical information, cost etc. through the print history.

Printer information etc.

LAN Cable Connection

Smart/C Update etc.

Client Windows PC

It requires user registration to download MSM.
https://club.mutoh.co.jp/mutoh/guser/

VJ-1628MH

Print head	Print technology	On-demand piezo print head
	head height	Automation (max. thickness:16mm)
Maximum media width		1,625mm（64"）/ rigid and roll media
Printable width		Max. 1,615mm (63.6")・Min. 182mm (7.2") / rigid and roll media
Ink	Type	Multi-purpose ink (MP31)
	Ink set	4 colors (K, C, M, Y)
		5 colors (K, C, M, Y, Wh)
		7 colors (K, C, M, Y, Lc, Lm, Lk) or (K, C, M, Y, Or, Bl, Gr)
		8 colors (K, C, M, Y, Wh, Lc, Lm, Lk) or (K, C, M, Y, Wh, Or, Bl, Gr）
	Volume	220ml cartridge each / 500ml bag (K, C, M, Y, Wh only) *An optional adapter is required for 500ml bag.
	No. of slot	8
Print resolution		1440/1080/720 dpi (total 6 modes）
Interface		Ethernet（10BASE-T/100BASE-TX）
Supported media		Rigid media: Max. length 1,200mm, Min. length 200mm/weight:15kg or less *To print on rigid media, optional media feeding tables are required. (2 sets)
		Roll media: Ø150 mm/2" & 3"/30kg or less
Media-drying system		Blower heater system: 1200Wx2
Power requirements		AC100-120V / AC200-240V, 50/60Hz
Printable environment		Temperature：20-28℃(68-82.4ºF) 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 (W x D x H) / weight		Printer including media feeding table:2,698×2,730×1,302mm (106"×107"×51") Printer:168.6kg (371.6lbs),Stand: 33kg (72.8lbs), Media feeding table F/R:43kg each (94.8lbs) 30kg take-up system:21kg (46.3lbs), 40kg take-up system:18kg (39.7lbs)

* Due to the removal of the flange joint, the 2-inch media core can be adjusted, however, do not use the solid 2-inch core media.

■Optional items

Product name	Description
IJ-RIP-01	MUTOH Genuine RIP software, VerteLith
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	Product model	Details	
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-OR220	Orange	
	MP31-BL220	Blue	
	MP31-GR220	Green	
	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)	
	DROPPER 6 PACK SET	Dropper (5ml/ 6 pcs)	
	VJ-WIP	VJ series replaceable wiper set (2 pieces/box)	

*500ml ink bags require optional adapter

http://www.mutoh.co.jp/en/

Safety Precautions
Before the use of our products, please read the entire Operations Manual to ensure safe operations.

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