MUTOH

Creation, we make it happen...

ValueJet®
VJ-1627MH
MP Ink · InkJet Printer

NEW

MP31 ink preserves
the original texture of substrates

mp INK *multi purpose*
31

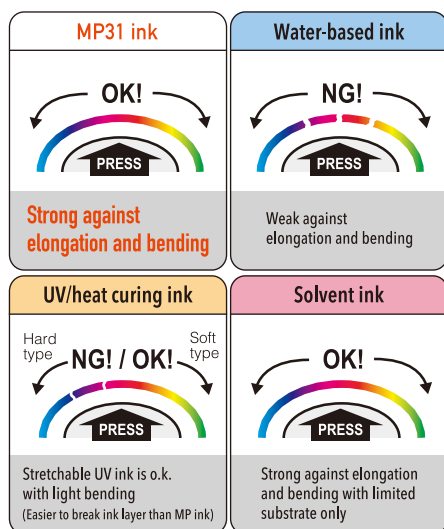|	
Various print options	Flexibility to print on Rigid and Roll media even possible to print and process on the material for vacuum/thermo forming
Smooth Finish	Produces smooth and natural finish preserving the original texture of substrates
High tolerance	Equivalent to eco-solvent ink in "weather resistance", "abrasion resistance" and "color development"

MUTOH multi-purpose ink "MP31 ink" provides various print option

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 thermoforming materials. It is ideal for commercial printing, industrial printing and sign & display applications.

User-friendly functional capability

Installed head protection sensor
Head protection sensor avoids crushing media and protects print head.

Automatic media height detection
Easily set the position of media and printing start point. It can printing up to 16mm (5/8˝) thick for expanded applications.

User replaceable cleaning wiper
Maintenance is improved by installing a user replaceable cleaning wiper.

Blower heater
Blower heater comes standard with printer and dries the printed surface with ideal warm air.
Heater temperature and wind pressure can be set/changed, so the media compatibility becomes fulfilled more and more.

Rubber pressure roller system
Rubber pressure roller system supports various types of rigid media.

Take-up systems
In addition to 30kg (66lbs) take-up system, a new 40kg (88lbs) take-up system has been introduced for increased options for roll media.

Applications designed for ease of use

Layout application tool2
Direct print via Windows driver using installed layout applications.

ValueJet Status Monitor (VSM)
The VSM provides real time monitoring on the printer status via PC and smart phone. In addition, it is now possible to operate the printer from the PC.

<Sign up ValueJet Club>
Valuejet Club ▸ User Registration
It requires user registration to download VSM.
https://valuejetclub.mutoh.co.jp/mutoh/guser/

FlexiSIGN & PRINT MUTOH Edition
RIP software provides easy operation from data input to output.

* For more information, contact your authorized MUTOH dealer.

Valuejet	VJ-1627MH
Printing system	On-demand piezo print head
Print head height	Automation <max thickness: 16mm (5/8˝)>
Max media width	1,625mm (63.97˝) / rigid and roll media
Printable width	Max: 1,615mm (63.58˝) Minimum: 182mm (7.17˝) / rigid and roll media
Ink — Type	MP31 ink
Ink — Ink set	4 colors (K, C, M, Y) / 5 colors (K, C, M, Y + White)
Ink — Volume	500ml bag (K, C, M, Y, White)
Ink — No. of slot	7
Max. print resolution	1440x1440dpi (16 pass)
Interface	Ethernet (10BASE-T/100BASE-TX)
Media Measurements	Rigid media [1] : Max.length 1,200mm (47.24˝) / Min.length 200mm (7.87˝) / Weight 15kg (33lbs) or less / Roll media: Ø 150mm (6˝) / 2˝& 3˝ / weight 30kg (66lbs) or less
Media-drying system	Blower heater system: 1200W x 2
Power requirements	AC100-240V±10%, 50/60Hz±1Hz
Printable environment	Temperature: 20-28°C (68-82.4°F) / 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 with media feeding table: 2,698x2,730x1,302mm (106˝x107˝x51˝) / Printer: 167.5kg (369lbs) Stand: 33kg (72lbs) / Media feeding table F/R: 43kg each (94lbs)
Take-up system (optional)	30kg (66lbs) take-up system: 21kg (46lbs) / 40kg (88lbs) take-up system: 18kg (39lbs)
RIP software (optional)	SAI FlexiSIGN & PRINT MUTOH Edition, Onix

[1]· To print on rigid media, the optional media feeding table is required.
* Data in the specifications are subject to change without notice.

■ Optional Items

Product Model	Details
VJ16/19-TUP30	Take-up system <supports up to 30kg (66lbs) media>
VJ16/19-TUP40	Take-up system <supports up to 40kg (88lbs) media>
VJ-1617H-TBL	Media feeding table for rigid media
VJ-1617H-RLR	Media support
VJ16-MRT	Media retainer

■ Supplied products

Product name	Product model	Details	
MP31ink	MP31-BK500	Black	500ml
	MP31-CY500	Cyan	
	MP31-MA500	Magenta	
	MP31-YE500	Yellow	
	MP31-WH500	White	
	MP31-CL500	Cleaning fluid	
	MP31-1000B	Cleaning fluid	1000ml
Other optional products	VJ-HCIPAR	VJ Adapter Plug (20 pieces)	
	RH2 Clean stick	Clean stick (100 pieces)	
	POLYNITW2	Polyester knit wiper (300 pieces)	
	VJ1608-FB-SO20	Absorption pad for flushing box (20 pieces)	
	VJ-WIP	VJ series changeable wiper set (2 sets)	

* 7 pieces of high capacity ink bag adapters and maintenance kit are included on the main unit as standard.
The ink and cleaning fluid are required to purchase separately. Once 5-colors ink configuration is set to the printer, it cannot be changed.
* Prepare total 7 bags for 4 colors of M,M,C,C,CL,K,Y or 6 colors of K,C,M,Y,CL,CL,WH.

Daily maintenance by user
In principle, VJ-1627MH cannot be turned off, and the daily maintenance by user is required everyday or after use. In the case when the printer is not used for a while, perform long-term storage maintenance or short-term storage maintenance. Please refer to "daily maintenance" in the operation manual.

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