MUTOH

Creation, we make it happen ...

Large format inkjet printer

ValueJet®

Water-based Edition

VJ-1948WX (1,910mm media width)
VJ-1938WX (1,910mm media width)

ValueJet		VJ-1948WX	VJ-1938WX
Print head	Print method	On-demand piezo drive system	
	Head Height	Low: 1.5mm Middle: 2.5mm High 4.0mm (1.5mm)	
	Number	4 staggered	2 staggered
Media	Maximum/minimum roll media width	Maximum: 1910mm Minimum: 900mm	
	Maximum Media thickness	Low: 0.3mm Middle: 1.3mm High 2.8mm	
	Mesurement	Φ150 mm or less / 2 inches or 3 inches / 30 kg or less	
Maximum printable width		1900mm	
Maximum print length		200m	
Ink	Type	Dye-sublimation transfer ink : DH21	
	Color	4-color (Black, Cyan, Magenta, Yellow) / 7 color (Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta, Light Black)	
	Amount	1000ml ink bag*1	1000ml ink bag*2
Print resolution		1440/1080/720/360dpi (standard: 10 modes + custom: 19 modes)	
Interface		Gb-Ethernet (1000BASE-T)	Gb-Ethernet (10/100BASE-TX, 1000BASE-T)
Power supply		Voltage: AC 100V〜120V ±10% / AC 200V〜240V ±10% Frequency: 50/60Hz ±1Hz	
Environmental condition	Printer operation	Temperature: 20°C〜32°C Humidity: 40%〜60% No condensing	
	Accuracy guaranteed	Temperature: 22°C〜30°C Humidity: 40%〜60% No condensing	
Power consumption	Operation	600W or less (AC 100V 〜240V) Heater 1120 W or less (AC 100 - 120V) x2 Heater 1120 W or less (AC 200 - 240V) x2	160W or less (AC 100V 〜240V)
	Standby	AC 100V 〜240V : 91W or less (while heater is on) Heater 1110 W or less (AC 100 - 120V) x2 Heater 1110 W or less (AC 200 - 240V) x2	AC 100V 〜 240V : 40W or less
External dimensions (W)x(D)x(H)		2983mmx966mmx1261mm	2983mmx885.5mmx1261mm
Weight		Printer: 164kg Stand: 37kg	Main body: 137kg Stand: 32kg
RIP software		FlexiSIGN & Print MUTOH Edition	FlexiSIGN & Print MUTOH Edition
		*1 Dedicated ink cases are required.	*2 A dedicated high-capacity adapter is required.

Supplied products

Product Name	Product model	Details	
DH21 ink	DH21-BK1000	Black（BK）	
	DH21-CY1000	Cyan（CY）	
	DH21-MA1000	Magenta（MA）	
	DH21-YE1000	Yellow（YE）	1000ml
	DH21-LC1000	Light Cyan（LC）	
	DH21-LM1000	Light Magenta（LM）	
	DH21-LK1000	Light Black（LK）	
Cleaning	VJ-AQU-600	Cleaning Liquid（Cleaner）	600ml
Other supplied products	VJ-CB	Replacement cutter blade	
	VJ16STG-FB-W3	Flushing pad for Water-based ink	
	VJ1948-FB	Flushing Box Absorbent for VJ-1948WX	
	VJ-HCIPAR	Replacement plug for high capacity ink pack adapter	
	Clean stick	100pieces/box	

*Please prepare the ink and cleaning solution separately.

*Dye sublimation inks may fail to eject if the temperature becomes too high.

*For 4-color configurations, please prepare 2 bags each of C, M, Y, and K. For 8-color configurations, please prepare 8 bags of C, M, Y, K, Lc, Lm, Lk, and cleaning solution.

Optional Items

Product model	Details
VJ16/19-TUP30	Take-up unit to support 30kg media
VJ-19TUP100	Take-up unit to support 100kg media
VJ1948-INKCASE	VJ-1948WX Ink Bag Case (8 pieces)
VJ-HCIPADPT	High capacity ink pack adapter (1 box 4 pieces)

Water-based Printers

VJ-1948WX / 1938WX

High Speed ＆ Productivity
High Quality
High Performance Designs

Open a new era of high production dye-sublimation printing

The MUTOH ValueJet Water-based Printer series achieved high productivity and high image quality.
The VJ-1948WX and VJ-1938WX can be used for various purposes, creating scarves, blankets, promotional items, trade show graphics, flags, banners, custom interior designs, sports uniforms, apparel and much more!
The VJ-1948WX and VJ-1938WX provide outstanding performance at a competitive price, making it the smart printer choice for shops looking to expand applications, increase production and improve efficiency.

117.3 ㎡/h *
(360×720dpi 2 pass)
*custom print mode
4 heads

VJ-1948WX (1,910mm media width)

52 ㎡/h
(360×720dpi 2 pass)
2 heads

VJ-1938WX (1,910mm media width)

Staggered 4-printhead design VJ-1948WX

Staggered 4-head design enables high-speed printing and improved productivity.
The VJ-1948WX achieves a maximum print speed of 117.3m2 per hour. Printhead select function is available to be printed. Without using impaired printheads, it keeps printing with the remaining printheads, and provides reliable business support. And also VJ-1948WX minimizes the ink consumption by selecting a printhead to perform head cleaning.

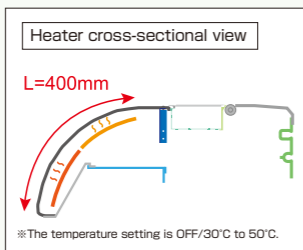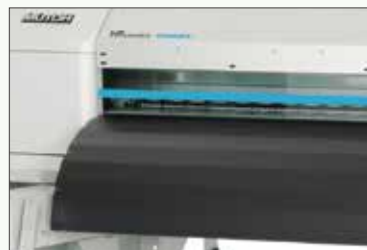| Print mode speed	✳···Custom print mode (high speed)
✳ 360×720 (2pass / Bi / None)	117.3 ㎡/h
360×720 (2pass / Bi / None)	91.4 ㎡/h
✳ 360×1080 (3pass / Bi / None)	83.2 ㎡/h
✳ 360×1080 (3pass / Bi / Fine&Fog2)	75.9 ㎡/h
✳ 720×720 (4pass / Bi / None)	67.7 ㎡/h
✳ 720×720 (4pass / Bi / Fine&Fog2)	60.4 ㎡/h
720×720 (4pass / Bi / Fine&Fog2)	45.6 ㎡/h

Note: The above is the value of 4-color mode. The print speed in 8-color mode will be approximately the half of the value.

Built-in large dual heaters VJ-1948WX

Built-in large dual haters provide fast dry times for increased production speeds.

Heater cross-sectional view
L=400mm
※The temperature setting is OFF/30℃ to 50℃.

They are incorporated on the rear side of the front paper guide. Each heater's temperature can be set from the control panel individually, and checked or changed anytime without interrupting the printing operation.

Heavy-duty take-up system included VJ-1948WX

A heavy-duty feed and take- up system maintains stable media transportation up to 100kg. It also supports from 70gsm/m2 standard transfer papers to 130gsm/m2 thicker and heavier transfer papers. Even a 45gsm/m2 very thin transfer paper can be supported by setting the conditions of the weight, countermeasure of cockling, adsorption fans, etc.
As the printed media are winded with the constant pressure, they can be easily used in the post heat-press processing stage.
* It also can be set on VJ-1938WX as option.

MUTOH original dye-sublimation ink

MUTOH's original dye-sublimation ink in 4 colors (K,C,M,Y) and 8 colors (K, C, L, M, Lc, Lm, Lk) delivers optimal print quality and wide color gamut. The large capacity ink bags support various business purposes with prolonged continuous printing.

7 colors (K, C, M, Y, Lc, Lm, Lk) 1,000ml bag
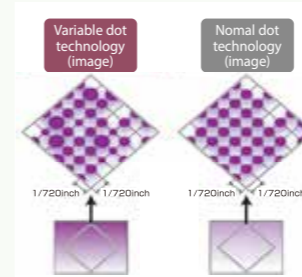
<MUTOH original dye-sublimation ink features>
- Does not require any hazardous marks, and is highly environment and human body safe.
- Practically odorless both during the printing and the transfer process
- Excellent nozzle stability for high speed and high volume printing, and offers optimal print quality and wide color gamut.
- High washing fastness and perspiration resistance
- Allows directly print* on the textile without using transfer paper
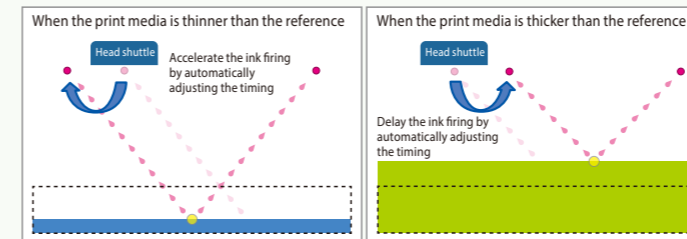*please use pre-treated media

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High image quality with variable dot technology

3 kinds of variable dot produce fine texture and color representation. With using different diameters of large, middle and small sizes, they can express the gradation smoothly and bririant color.

Variable dot technology (image)
Nomal dot technology (image)
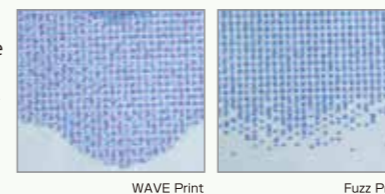1/720inch 1/720inch 1/720inch 1/720inch

DropMaster Technology

By inputting different media thickness on the registered media setting, DropMaster Technology is capable of automatically recalculating and adjusting the bi-directional drop fire timings. It achieves smooth high-quality printing.

When the print media is thinner than the reference
Head shuttle Accelerate the ink firing by automatically adjusting the timing

When the print media is thicker than the reference
Head shuttle
Delay the ink firing by automatically adjusting the timing

Intelligent interweave

Intelligent interweave offers many printing effects to improve the image quality. They allow the reduction and elimination of banding and color unevenness.

*The effect may not be suitable for high-speed printing. Please test in advance.

WAVE Print   Fuzz Print
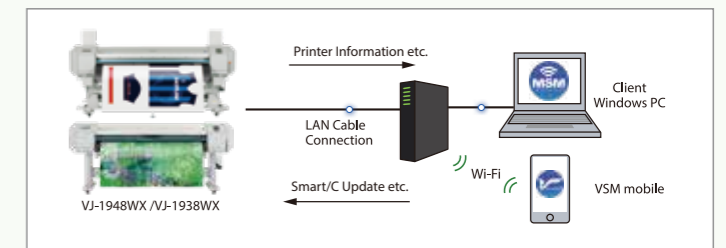

Designed with advanced features

-The pressure roller hold down system is equipped in both the front and rear side of the printer, and ensures easy handling by the manual lever from either of two locations. There are two pressure setting "standard" and "strong".
The pressure rollers can be raised up and down individually even when printing on thin transfer paper to avoid cockling.

The head height can be adjusted in three steps: 1.5mm, 2.5mm, and 4.0mm. Each can also be activated for auto-cleaning.

MUTOH Status Monitor (MSM)

・ Significant improvement of response time for print status acquisition
・ Support initial installation wizard
・ Support 10 languages for all functions

Printer Information etc.
Client Windows PC
LAN Cable Connection
Smart/C Update etc.
Wi-Fi
VSM mobile
VJ-1948WX /VJ-1938WX

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