■ Specifications

Items		JV4-130	Specifications JV4-160	JV4-180
Print heads	Method	Piezo electric drop on demand 6 heads (3 by 2 staggered) Nozzle configuration High speed :360 nozzles per color Combination :180 nozzles per color		
	Height adjustment	1.2 mm to 10 mm from the platen		
Maximum printing width		1,371mm (53.9")	1,600mm (62.9")	"1,870mm (73.6")
Printing head mode	Resolution	360, 540, 720,1440 dpi (variable dot except 360, 540dpi)		
	Printing mode (Scan x feed)	360 x 360dpi : 2 / 4 pass Bi / Uni direction 360 x 540dpi : 3 / 6 pass Bi / Uni direction 360 x 720dpi : 4 / 8 pass Bi / Uni direction 720 x 720dpi : 4 / 8 / 16 pass Bi / Uni direction 1440 x 720dpi : 8 / 8 / 16 pass Bi / Uni direction 1440 x1440dpi : 16 / 32 pass Bi / Uni direction		
Printing accuracy	Distance accuracy	Absolute : ±0.3 mm (0.0118") or ±0.3 % whichever is grater		
	Perpendicularity	±0.5 mm (0.0196") / 1,000 mm (39.0")		
Inks	Ink type Color	1. Aqueous pigmented inks 6 colors (black, cyan, magenta, yellow, light cyan, light magenta) or (black, cyan, magenta, yellow, orange, green) 2. Aqueous dye inks 6 colors (black, cyan, magenta, yellow, light cyan, light magenta) 3. Disperse inks 6 colors"		
	Ink capacity	Each color: 220 cc±5 cc x 2 cartridge or x 1 cartridge Usable amount 200 cc per one cartridge		
	Waste ink tank	Bottle (1000cc) No ink sensor on the tank		
Media	Media size(Maximum)	1,381 mm (54.3")	1,620 mm (63.7")	1,910 mm (75.1")
	(Minimum)	210mm(8.2")		
	Thickness	7.0mm(0.275"') or less"		
	Media margin(Roll)	Right / Left : 5 mm (0.196") ±0.5 mm (0.0196"), Front : 50 mm (1.968") ±2 mm (0.078"), Rear : 0 mm		
	(Sheet cut)	Right / Left : 5 mm (0.196") ±0.5 mm, Front : 85 mm (3.346") ±2 mm (0.078"), Rear : 85 mm (3.346") + 2 mm (0.078")		
	Roll outside diameter	Less than Φ150 mm (5.90")		
	Roll weight	Less than 20 kg		
	Roll inside diameter	2 inch, 3 inch		
	Plotting surface	Faces OUT		
	Media cutter	1. Located in the head to cut toward Y axis 2. Cutting accuracy (gap towards X axis) Less than 0.5 mm (0.0196")		
	Media feed	Standard media take-up device(clockwise or counter clockwise selectable)		
	Media(Form board)	Thickness : 7.0 mm (0.275") or less, Deflection : 1.0 mm (0.039") or less		
Interface		1. IEEE-1394 2. IEEE-1284		
Command		MRL-2 (valuable dot version) Version 2.0 Mimaki original command based on ESC/P		
Power		AC100V - 240V +/- 10% (Automatic change) 50/60 Hz +/- 1 Hz		
Power consumption		Less than 400VA		
Operational environments		Acceptable temperature: 5˚C~30˚C Relative humidity : 35~65%Rh(No condensation) Temperature : 18˚C~25˚C Grade temperature : Less than ±10˚C/h Dust : Office		
Weight		Less than 130kg (286lbs)	Less than 140kg (308lbs)	Less than 160kg (352lbs)
Dimension (W)		2,405 mm (94.69")	2,740 mm (107.87")	3,025mm (119.1")
(D)		730 mm (28.74")		
(H)		1,220 mm (48.03")		

* Specifications are subject to change without notice.

■ External Dimensions
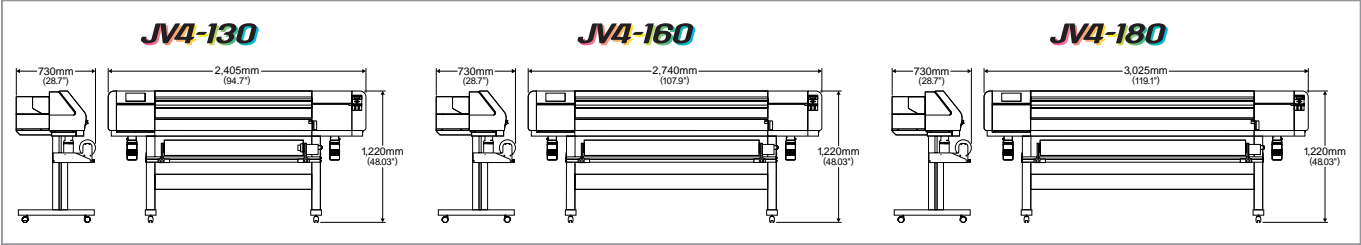
JV4-130 730mm (28.7") 2,405mm (94.7") 1,220mm (48.03")

JV4-160 730mm (28.7") 2,740mm (107.9") 1,220mm (48.03")

JV4-180 730mm (28.7") 3,025mm (119.1") 1,220mm (48.03")

DISTRIBUTOR:

DEALER:

MIMAKI ENGINEERING CO.,LTD

JSA
ISO 9001:2000
Registration Number JSAQ 417

JAB
QS Accreditation
Certificate Number R001

MK085   A-2001-06-17-a

Multi-purpose Large Format Inkjet Plotter

JV4 Series

JV4-130 / JV4-160 / JV4-180

■ **Printing speeds of up to 1m²/ 2min.**

■ **Utilizes IEEE 1394 interface for high-speed operation.**

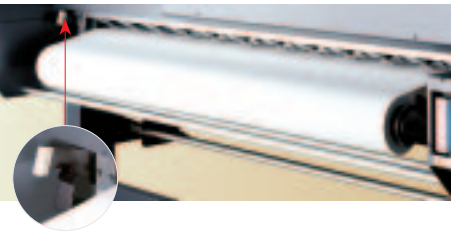■ **For 90lpi screen positives**

■ **Thickness of up to 7mm**

■ **Available in three sizes (JV4-130, JV4-160, and JV4-180,)**

Automatic Take-up device is equipped as standard

This Take-up device rolls media firmly and can be used to plot long or multiple copies. Furthermore, it can be left unattended overnight.
Media set shaft makes easy replacement of all types of media, thus reducing workload.

Media clamp can be also operated from behind, reducing workload when setting up media.

Control panel provides greater ease of operation

Buttons for frequently used features are displayed prominently on the control panel, For example, TEST, CLEANING, and DATA CLEAR buttons allow to perform common tasks with the push of a button. The control panel also displays the status of ink remaining and output media length. Great for fully automated nighttime output.

Multi-point grit roller system

Multi-point grit roller system accurately feeds a wide array of media, allowing worry-free printing of even wide, long media. Media Retainer keeps soft media from loosening at the edges, greatly reducing head abrasion issues related to loose media.

Media retainer
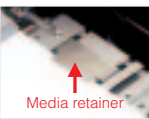
400Mbit/sec IEEE 1394 high-speed interface

Standard high-speed interface and communication support increased plotter speed. Support for the IEEE 1394 port keeps plotter from halting as it waits for more data even in high-speed print mode, allowing for maximum output.
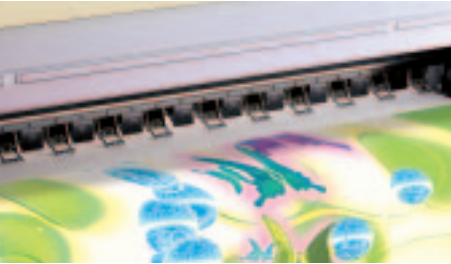
Unique MIMAKI multi-head mechanism allows 2-way-printing

New piezo-electric heads, the staggered-layout print head provides more attractive, faster printing, and allows ultra high-precision 6-head 1-way printing. Alternatively, using two sets of three heads in 2-way printing mode, each with different inks, gives you the functionality of two 6-color plotters in a single unit.

More attractive production by Variable-dot printing

Printing dots of varying sizes shows excellent gradation. This allows fast, attractive printing at low resolutions, and ultra-high quality in high resolution mode.

variable dots	normal dots
1/720inch / 1/1440inch	1/720inch / 1/1440inch
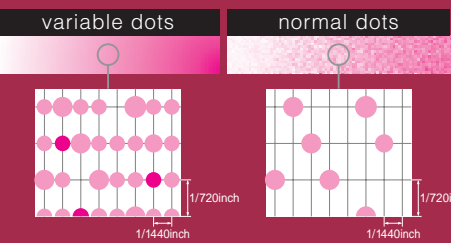
High printing speed of 1 m² in about 2 minutes*

Mimaki's unique 6 heads with 360 nozzles can print 1m² in 2 minutes and 10 seconds (at 360x360dpi, fast mode)

1-way printing: Printing speeds for 1 m²

Mode	Standard	Fine
360 / 360dpi	2 min 34 sec	7 min 26 sec
360 / 540dpi	3 min 38 sec	10 min 59 sec
360 / 720dpi	4 min 40 sec	14 min 28 sec
Variable-dot 720 / 720dpi	6 min 29 sec	22 min 7 sec
Variable-dot 1440 / 720dpi	6 min 29 sec	22 min 7 sec
art work mode 1440 / 1440dpi	24 min 37 sec	45 min 21 sec

2-way printing : Printing speeds for 1 m²

Mode	Standard	Fine
360 / 360dpi	4 min 23 sec	13 min 19 sec
360 / 540dpi	6 min 35 sec	20 min 26 sec
360 / 720dpi	8 min 19 sec	26 min 14 sec
Variable-dot 720 / 720dpi	12 min 34 sec	40 min 21 sec
Variable-dot 1440 / 720dpi	11 min 45 min	40 min 21 sec
art work mode 1440 / 1440dpi	45 min 21 sec	80 min 20 sec

* The printing times above are for Bi-direction printing. Actual printing times will vary depending on number of passes, and scan speed.
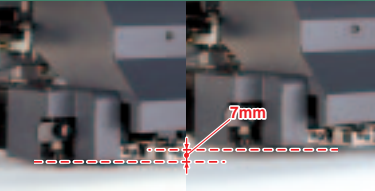
1-way(single ink set) for fast printing and 2-way(dual ink set) for multi-purpose printing

In combination with the newly developed MIMAKI multi-head mechanism supported by the 1-way (single ink set) and 2-way (dual ink set) printing features enable the JV4 series plotter to offer as several machines with different features all in one unit.

Every feature and device has been designed especially for professionals

Media thickness of up to 7 mm

With a wide range of adjustable head heights, the JV4 series accepts media thickness of up to 7 mm.

7mm

Variable-dot printing

Non-grainy 1440 dpi high-resolution variable-dot printing produces ultra-fine, more realistic outputs. Even with high-speed, low-resolution such as large signs and banners, the JV4 series provides more vivid, attractive than conventional machines.

Artwork film

When printing on Artwork film, the high-resolution mode of true 1440x1440 dpi allows output equivalent to 90 lpi screen printing (we recommend water-based dye ink and genuine Artwork clear film for production with a transmission density of 3.0 or higher).

Freely combine 2 inks from 3 types of interchangeable inks for 10 variations.

Water-based dye ink, water-based pigment ink, and dispersed dye ink available. Choose the combination that suits your work needs.

1-way high-speed printing combinations

water-based pigment ink: C, M, Y, K, Lc, Lm + Water-based pigment ink: C, M, Y, K, Lc, Lm
water-based pigment ink: C, M, Y, K, O, G + Water-based pigment ink: C, M, Y, K, O, G
water-based dye ink: C, M, Y, K, Lc, Lm + Water-based dye ink: C, M, Y, K, Lc, Lm
Dispersed dye ink: Bl, M, Y, K, Lbl, Lm + Dispersed dye ink: Bl, M, Y, K, Lbl, Lm

2-way multi-printing combinations

water-based pigment ink: C, M, Y, K, Lc, Lm + Water-based pigment ink: C, M, Y, K, O, G
water-based pigment ink: C, M, Y, K, Lc, Lm + Water-based dye ink: C, M, Y, K, Lc, Lm
water-based pigment ink: C, M, Y, K, Lc, Lm + Dispersed dye ink: Bl, M, Y, K, Lbl, Lm
water-based pigment ink: C, M, Y, K, O, G + Water-based dye ink: C, M, Y, K, Lc, Lm
water-based pigment ink: C, M, Y, K, O, G + Dispersed dye ink: Bl, M, Y, K, Lbl, Lm
water-based dye ink: C, M, Y, K, Lc, Lm + Dispersed dye ink: Bl, M, Y, K, Lbl, Lm

* Water-based pigment ink: Highly resistant to fading from light. Suitable for large color sign displays, especially outdoors. (e.g. billboards)
* Water-based dye ink: Highly expressive colors, but less resistant to fading than pigment inks.
  Suitable for indoor printing applications such as posters.
* Dispersed dye ink: Suitable for transferring printed images to other media, such as textiles.