

Newly developed high-speed solvent inkjet printer with array of 4 staggered print heads

Mimaki

JV5 Series
JV5-130S/JV5-160S

Exquisitely beautiful super speed performance.

40m²/h Print.

430sqft/h

High Speed. High Quality. JV5 Series.



High-quality images of 540 x 1,080 dpi are printed at a rate of 40m² (430sqft)/h^{*1}, the highest speed in the industry.^{*2}

JV5 Series enables high-quality printing at incredible speed. It takes only 90 seconds to print 1 square meter (10.76sqft) at 540 x 1,080dpi. The secret behind it lies in "high speed head" composed of 180 x 8 lines of nozzles and "array of 4 staggered print heads" accomplished by excellent technical capability of Mimaki. A lineup of 1,375mm (54.13") and 1,630mm (64.17") in size. The advent of incredible high speed and high image quality.

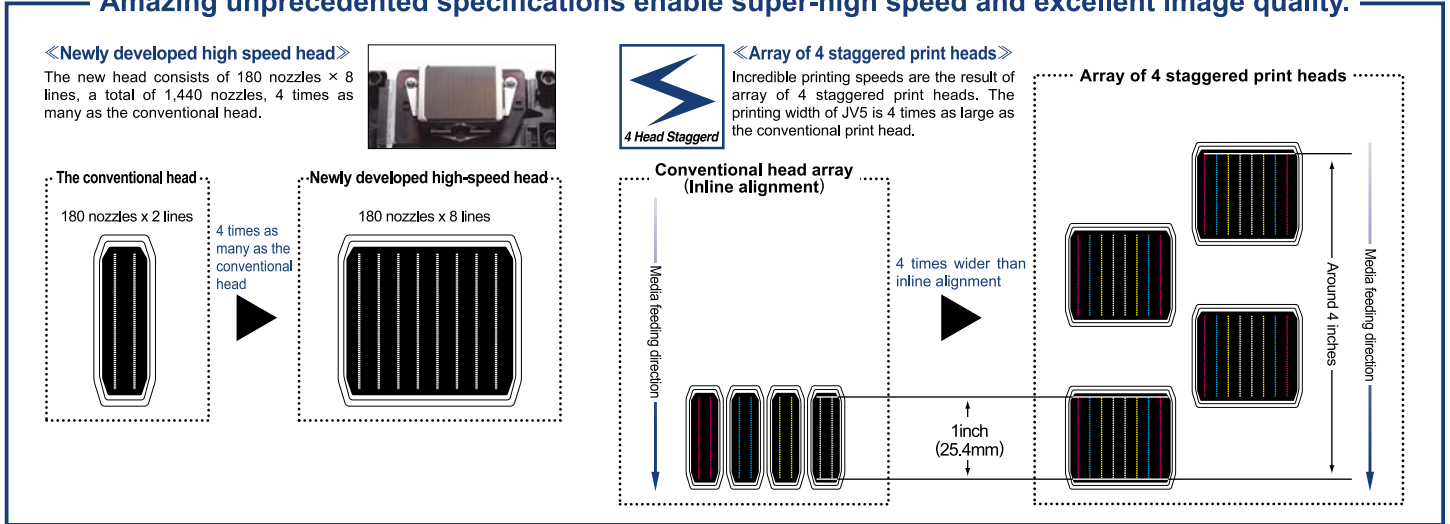
*1: When printed by JV5-160S/4 colors *2: As of March 2006 (Our survey)



JV5 brings unparalleled production levels with the combination of incredible print speed and exquisite image quality.



Amazing unprecedented specifications enable super-high speed and excellent image quality.



Versatile functions of JV5 series

- High resolution up to 1,440×1,440dpi.
 - Variable dots produce the highest quality in printing results.
 - Ink type depends on your operating environment and desired applications.
*Only ES3 ink will be available at the time of releasing this product. HS ink will go on sale shortly.
 - Media encoder supports high quality prints by observing and controlling media feeding length.
 - Automatic nozzle-out detection device eliminates the waste of media and ink.
 - Large-sized Post-heater accelerates the drying of the media printed at high speeds to take up the media.
- User friendly operation panel with heater lamps.
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- The head height is adjusted automatically with the automatic media thickness detection by determining the head gap. Optimum printing results can be obtained even if the thickness of the media changes.
Head height can be adjusted up to 7mm (0.27").
 - Automatic change of double ink cartridges which provides consistent print without concern about running out of ink.
 - 1,760cc of ink per color. (4 color print mode)
 - USB2.0 interface supporting high-speed data transfer.
 - Front exhaust unit is included as standard.
 - Automatic take-up device is included as standard.

●Some of the samples in this catalog are artificial renderings. ●Specifications, design and dimensions stated in this catalogue may be subject to change without notice for technical improvement etc. ●The corporate name and merchandise name written on this catalogue are the trade mark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the printing heads. ●Also note that if using multiple printer units, colors may slightly vary from one unit to other units due to slight individual difference. ●All our products are manufactured under our quality assurance system certified by ISO 9001.

Items	Specifications	
	JV5-130S	JV5-160S
Print head	On demand piezo head (Array of 4 staggered print heads)	
Maximum printing width	1,361mm (53.5")	1,610mm (63.3")
Printing resolution	540, 720, 1,440 dpi	
Printing mode (Scan x Feed)	720 x 540dpi: 6/12 pass, Bi-directional and Uni-directional	
() pass is available in 4 color	540 x 900dpi: 10/20 pass, Bi-directional and Uni-directional	
	540 or 720 x 720dpi: (4)/8/16 pass, Bi-directional and Uni-directional	
	540 or 720 x 1,080dpi: (8)/12 pass, Bi-directional and Uni-directional	
	720 x 1,440dpi: (8)/16 pass, Bi-directional and Uni-directional	
	1,440 x 1,440dpi: (16)/32 pass, Bi-directional and Uni-directional	
Ink	Type	Exclusive solvent ink: ES3, HS ink
	Color	Yellow, Magenta, Cyan, Black, Light Magenta, Light Cyan
	Supply	Automatic change of double ink cartridges
	Ink volume	6/8 color print mode: 440cc (220cc) cartridge x 2, 880 (440) cc/color 4 color print mode: 440cc (220cc) cartridge x 4, 1,760 (880) cc/color
Media	Maximum width	1,375mm (54.13")
	Minimum width	297mm (11.6")
	Roll weight	less than 38kg (83.7 lbs.)
	Print surface	Face Out
	Roll diameter	Inner: 2 inches, 3 inches/ Outer: less than Φ200mm (7.87")
Media cutting	Cutting in Y direction by cutter at head	
Media heater	Three-way intelligent heater (PRE/PRINT/POST)	
Media take-up device	Roll take-up device (standard), inside/outside selectable	
Nozzle checking unit (NCU)	Laser system (less than class)	
Head height	1.5mm to 7mm (Media thickness is automatically detected.)	
Interface	USB 2.0	
Applicable standards	VCCI Class A, FCC Class A, UL 60950, CE Marking (EMC Directive, Low Voltage Directive), CB Report, RoHS	
Power specification	AC200 to 240V±10%, 50/60Hz±1Hz, 15A or less	
Power consumption	less than 3,600VA	
Operational environment	Temperature: 20°C(56°F) to 35°C(95°F), Humidity: 35 to 65% Rh (No Frost allowed)	
Outer dimension (W) x (D) x (H)	2,880mm (112.6") x 1,200mm (47.3") x 1,551mm (61.1")	3,120mm (122.9") x 1,200mm (47.3") x 1,551mm (61.1")
Weight	less than 270kg (595lbs.)	less than 290kg (639lbs.)

MIMAKI ENGINEERING CO., LTD.

TKB Gotenyama Bldg. 5-9-41 Kitashinagawa Shinagawa, Tokyo 141-0001, Japan Tel: +81-3-5420-8671 trading@mimaki.co.jp www.mimaki.co.jp

MIMAKI USA, INC.

140 Satellite Boulevard NE, Suwanee, Georgia 30024-7128 Atlanta +1-888-530-3988 Boston +1-888-530-3986 Los Angeles +1-888-530-3987 Chicago +1-888-530-3985 www.mimakiusa.com

MIMAKI EUROPE B.V.

Joan Muyskenweg 42-44, 1099CK Amsterdam, The Netherlands Tel: +31-20-4627-640 www.mimakieurope.com



All our products are manufactured under our quality assurance system certified by ISO9001 printed in Japan DB10262-01