New generation output software with 16 bit rendering (bundled item)

High performance RIP software designed to fully enable all advanced features of JV5 series printer

【8 bit rendering】 Tone jumps are likely to occur

【16 bit rendering】 Smooth gradation without tone jumps

16 bit rendering eliminates tone jumps and produces fine color reproduction. Different images can be freely nested on the RIP. The web update function has been newly added to RasterLInk Pro5 to easily achieve both software update and profile download.

RasterLink Pro 5 SG

■JV5 series specification

Item		Specifications	
		JV5-130S	JV5-160S
Print Head		On-demand Piezo head (Array of 4 staggered print heads)	
Maximum printing width		1,365 mm (53.7 ")	1,620 mm (63.7 ")
Printing resolution		540, 720, 1440 dpi	
Printing mode （Scan x Feed）		720 × 540 dpi : Bi-directional & uni-directional	
		540 × 900 dpi : Bi-directional & uni-directional	
		540 or 720 × 720 dpi : Bi-directional & uni-directional	
		540 or 720 × 1,080 dpi : Bi-directional & uni-directional	
		720 × 1440 dpi : Bi-directional & uni-directional	
		1440 × 1440 dpi : Bi-directional & uni-directional	
Ink	Kind	Exclusive solvent ink : HS ink, Eco-HS1 ink, SS21 ink, ES3 ink	
		Exclusive aqueous pigment ink : Eco-PA1 ink	
		Exclusive dye-sublimation ink : Sb52 ink, Sb53 ink	
	Supply	Uninterrupted ink supply system	
	capacity	6 color mode : 440 ml cartridge × 2 / color, 880 ml / color	
		4 color mode : 440 ml cartridge × 4 / color, 1,760 ml / color	
Media specification	Size	Max. width 1,375 mm (54.13")	Max. width 1,630 mm (64.17 ")
		Min. width 297 mm (11.6 ")	Min. width 297 mm (11.6 ")
	Thickness	1.0 mm or below	
	Roll weight	38 kg (83.7 lbs.) or below	
	Printing surface	Face out	
	Inner diameter of roll / outer diameter of roll	2 inch, 3 inch / 200 mm (7.87 ") or below	
Media cutting		Cutting in Y direction by cutter at the head	
Media heater		3 stage intelligent heater (PRE / PRINT / POST)	
Media take-up device		Roll take-up device (standard）, inside/outside selectable	
Nozzle checking unit （NCU）		Laser system (Class 1 or below)	
Print gap		1.5 mm to 7 mm, step-less & user setting, (automatic detection of media thickness)	
Interface		USB 2.0	
Applicable standard		VCCI Class A, FCC Class A, UL 60950, CE Marking (EMC Directive, Low Voltage Directive）, CB Report, RoHS	
Power source specification		AC 200 V to 240 V ± 10 %, 50 / 60 Hz ± 1 Hz 15 A or below	
Power consumption		3,600 VA or below	
Operating environment		Usable temperature: 20 ˚C to 35 ˚C, Humidity: 35 % to 65 %Rh, Non-condensing	
Dimensions	（W）×（D）×〈H〉	2,860 × 1,050 × 1,540 mm (112.6 " × 41.4 " × 60.7 ")	3,120 × 1,050 × 1,540 mm (122.9 " × 41.4 " × 60.7 ")
Weight		324 kg (713.7 lbs.) or below	333 kg (733.5 lbs.) or below

■Option and supply

Item		Item No.
HS ink	440 ml	SPC-0473 Y / M / C / K / Lm / Lc
	2L *	SPC-0589 Y / M / C / K / Lm / Lc
Eco-HS1 ink	440 ml	SPC-0538 Y / M / C / K / Lm / Lc / Lk
	2L *	SPC-0587 Y / M / C / K / Lm / Lc / Lk
SS21 ink	440 ml	SPC-0501 Y / M / C / K / Lm / Lc
	2L *	SPC-0588 Y / M / C / K / Lm / Lc
ES3 Eco Solvent ink	440 ml	SPC-0440 Y / M / C / K / Lm / Lc
Eco-PA1 pigment aqueous ink	220 ml	SPC-0537 Y / M / C / K / Lm / Lc / Lk
Sb52 Dye sublimation ink **	440 ml	SPC-0584 NK/K/RK/NRK/BB/LBB/BL/M/Y/LBL/LM
	2L *	SPC-0585 NK/K/RK/NRK/BB/LBB/BL/M/Y/LBL/LM
Sb53 dye sublimation ink	440 ml	SB53-BL/M/Y/K-44
	2L *	SB53-BL/M/Y/K-2L
Solvent wiper kit	10 pcs	SPA-0125
Waste ink bottle 4L	1 pc	SPA-0128
Cutter blade assembly	1 pc	SPA-0126
Cleaning solution MS2/ES3/HS kit200	1 pc	SPC-0369
MS cleaning cartridge	220 ml	SPC-0294
JV5-130S AMF unit		OPT-J0162
JV5-160S AMF unit		OPT-J0161
JV5-130S/160S MBIS (Mimaki Bulk Ink System)		OPT-J0306

* 2 litter ink packs can be used with bulk ink system
** Sb52 ink has 4types of black ink: Normal black(NK), Deep black(K), Reddish black(RK) and Normal Reddish black(NRK).

HS ink
An aggressive solvent ink which meets the needs for high scratch resistance and high-speed high density printing.

ES3 ink
Virtually odorless and user-friendly ink which does not require any special ventilation.

Eco-HS1 ink
An aggressive, yet low-odor solvent ink which has no toxic ingredients and prevents shrinkage of media (especially thin self-adhesive PVC).

Eco-PA1 ink
The microcapsule-type aqueous pigment ink provides excellent color reproducibility and reduces ink blur.

SS21 ink
This ink provides the ability of printing on various types of media with high scratch resistance.
Compared to HS ink, SS21 ink would be inferior to fast drying.

Sb52 ink, Sb53 ink
Fast drying and high density ink for sublimation transfer to polyester substrates such as sportswear and soft signage.

AMF
AMF (Automatic media feeder) enables both think and filmsy media or heavy substrates to be fed and taken up with high accuracy. This ensures high quality and stable prints on a broad rage of media.

MBIS
MBIS(Mimaki Bulk Ink System) enables a saving in ink costs and the inks have the same high quality features such as ink emission, stability, color gamut and reliability as Mimaki's ink cartridge system. MBIS is an eco-friendly ink system that produces less waste.

High-speed solvent inkjet printer with a super-wide array of 4 printing heads

Mimaki
JV5 Series
JV5-130S / JV5-160S

Aqueous pigment & dye sublimation inks are also available.

Expand your business opportunity
with impressive on-demand performance and quality

JV5-130S — Maximum printing width 1,365 mm
JV5-160S — Maximum printing width 1,620 mm

Unrivalled JV5 performance helps capture time-critical business and expands your opportunities.

**Ultra high speed print of 58m²(624sq.ft.)/h at 540 x 720 dpi
up to high quality print of 720x1440dpi at 13m²(140sq.ft.)/h.**

＊JV5-160S

Equipped with many new leading-edge features carefully designed from the perspective of both productivity and the highest standards of image quality.
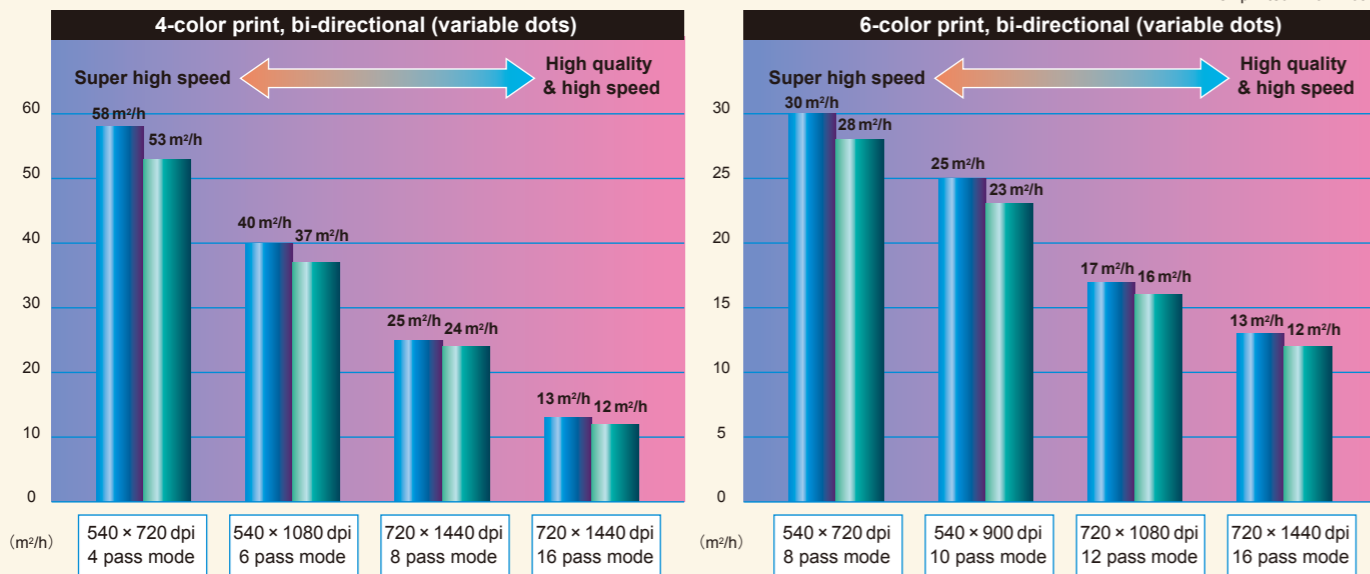
Have you ever declined valued orders that need immediate delivery? To capture as much business as possible you often need to comply with a customers' request for instant delivery. Your existing inkjet printers cannot satisfy both sufficiently high speed and image quality demands? The JV5 Series is different. It is an amazing new solvent inkjet printer offering not only unsurpassed production capacity, unattended operation efficiency but also beautiful high quality images. While maintaining your current quality you can typically shorten your job turnaround time by up to 75 %. With a JV5 series printer you will no longer lose business opportunities because of an inability to provide immediate deliveries.

*Comparison with JV3 series

JV5 series combining high image quality with outstanding performance

■ JV5-160S ■ JV5-130S

※When printed in full width

4-color print, bi-directional (variable dots)

Super high speed ←→ High quality & high speed

(m²/h)	540 × 720 dpi 4 pass mode	540 × 1080 dpi 6 pass mode	720 × 1440 dpi 8 pass mode	720 × 1440 dpi 16 pass mode
JV5-160S	58 m²/h	40 m²/h	25 m²/h	13 m²/h
JV5-130S	53 m²/h	37 m²/h	24 m²/h	12 m²/h

6-color print, bi-directional (variable dots)

Super high speed ←→ High quality & high speed

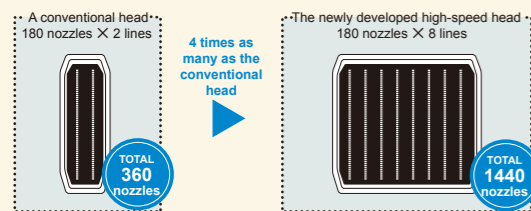| (m²/h)	540 × 720 dpi 8 pass mode	540 × 900 dpi 10 pass mode	720 × 1080 dpi 12 pass mode	720 × 1440 dpi 16 pass mode
JV5-160S	30 m²/h	25 m²/h	17 m²/h	13 m²/h
JV5-130S	28 m²/h	23 m²/h	16 m²/h	12 m²/h

— Max. 1440 dpi. Variable dot sizes are adopted. —

An advanced new printer design provides both outstanding performance and exceptional image quality
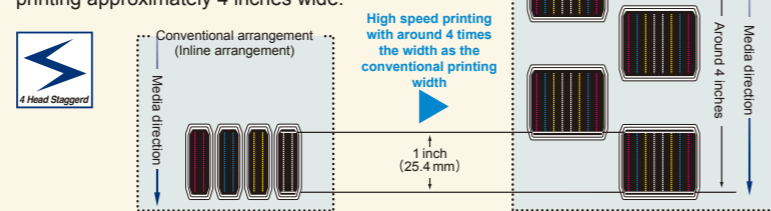
Newly developed high speed head.
Each head has 1440 nozzles arranged as 8 lines of 180 nozzles, 4 times as many as a conventional head.

・A conventional head・
180 nozzles × 2 lines

4 times as many as the conventional head

・The newly developed high-speed head・
180 nozzles × 8 lines

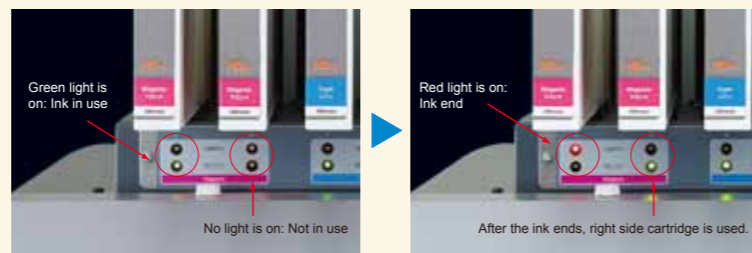TOTAL **360** nozzles → TOTAL **1440** nozzles

4 staggered heads arrangement
4 of the newly developed high speed heads configured in 4 staggered lines enable high speed printing approximately 4 inches wide.

4 heads staggered arrangement

4 Head Staggered

Conventional arrangement (Inline arrangement)

High speed printing with around 4 times the width as the conventional printing width

1 inch (25.4 mm)

Media direction

Around 4 inches

Cutting edge function for high speed continuous printing

❶ UISS (Uninterrupted Ink Supply System)
JV5 can utilize four cartridges per color in 4-color mode. When the ink cartridge runs out, another cartridge begins supplying ink and helps prevent running out of ink. A maximum of 1,760 ml ink per color can be loaded at one time.

Green light is on: Ink in use

No light is on: Not in use

Red light is on: Ink end

After the ink ends, right side cartridge is used.

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❺ Head height adjustment

❼ Media feed compensation

❶ UISS

❹ Heater panel

❻ Automatic nozzle checking
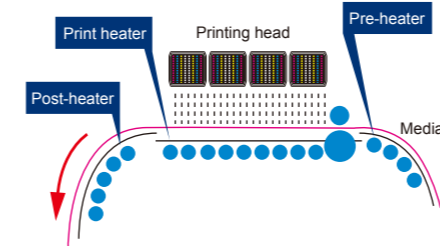
❸ Drying fan

❷ Large heater

❽ USB2.0 interface

❾ Automatic take-up device

3 stage intelligent heater
A 3 stage intelligent heater to both enhance color development and to fix the ink by automatically heating the media and controlling its temperature is a standard feature.

Print heater
Printing head
Pre-heater
Post-heater
Media

❺ Head height adjustment
The thickness of the media is auto-sensed to enable the height of the head to be adjusted automatically for the correct head gap. Even when the thickness of the media is changed, printing is resumed with a constant head gap to always obtain the best printing results.

Head gap can be set step-less in 4 positions between 1.5 mm to 7 mm.

❷ Large heater & ❸ Drying fan
Equipped with a large post-heater and drying fan, which promotes drying of the printed media at high speeds ready for re-winding.

❹ Heater panel
The operating panel and heater lamp are grouped together for convenience and ease of use.

❻ Automatic nozzle checking
The status of ink-discharge from the printing head and any nozzle clogging is quickly detected and cleaned to reduce waste of both media and ink.

❼ Media feed compensation
The media is transported evenly without being affected by the varying weight of the roll media. This eliminates any banding caused by irregular feeding of the media so maintaining the highest
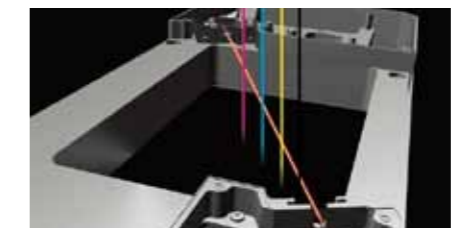
Exhaust cover
The fan and exhaust duct are designed to quickly and efficiently evacuate ink odors during printing.

Other features
- ❽ USB 2.0 interface enables high speed data transmission.
- ❾ Automatic take-up device to enable continuous unattended operation.