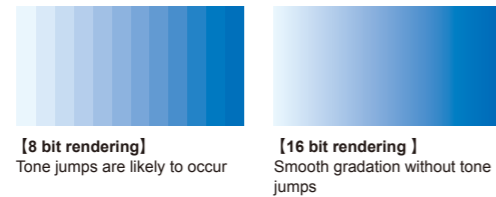## New generation output software with 16 bit rendering (bundled item)

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

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.

[8 bit rendering]
Tone jumps are likely to occur

[16 bit rendering]
Smooth gradation without tone jumps

RasterLink Pro5 SG

■Specification

Items	Specification	
	JV5-320S	
Print Head	On-Demand Piezo Heads (Array of 4 staggered print heads)	
Maximum printing width	3,290 mm (129")	
Printing resolution	540, 720, 1440 dpi	
Printing mode (Scan × Feed)	720 × 540 dpi : Bi-/Uni-direction	
	540 × 900 dpi : Bi-/Uni-direction	
	540 or 720 × 720 dpi : Bi-/Uni-direction	
	540 or 720 × 1080 dpi : Bi-/Uni-direction	
	720 × 1440 dpi : Bi-/Uni-direction	
	1440 × 1440 dpi : Bi-/Uni-direction	
Ink	Kind	Exclusive solvent ink : Eco-HS1 ink, HS ink, SS21 ink, ES3 ink
		Exclusive dye sublimation ink : Sb52 ink
	Supply	Automatic change of double ink cartridges
	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 : 3,300 mm (129.9")
		Min. width : 297 mm (11.6")
	Thickness	1.0 mm or below
	Roll weight	130 kg (286.6 lbs) or below
	Printing surface	Face out / face in
	Roll diameter	Inside : 3 inch / Outside : Less than φ 250 mm (9.8")
Media cutting		Cutting in Y direction by cutter at the head
Media heater		3 way intelligent heater (PRE / PRINT / POST)
Media take-up device		Automatic take-up device, Inside / outside selectable 3 inch paper bobbin;
		Outer diameter 300 mm or less
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)
Distance accuracy	Absolute accuracy	± 0.3 mm or ± 0.3 % of designated distance, whichever is greater
	Reproducibility	± 0.2mm or ± 0.1 % of designated distance, whichever is greater (with Media designated by us)
Interface		USB 2.0
Power specification		AC 200 V to 240 V ± 10 %, 50 / 60 Hz ± 1 Hz, 30 A or below
Power consumption		7,200 VA or below
Operational environment		Usable temperature : 20 ℃ to 35 ℃, Humidity : 35 to 60 %Rh (No condensing)
Outer dimension (W) × (D) × (H)		5,170 × 1,610 × 1,640 mm or below
Weight		1,200 kg (2,646 lbs.) or below

■Option and supply

| Item		Item No.
Eco-HS1 ink	440 ml	SPC-0538 Y / M / C / K / Lm / Lc / Lk
	2 liters*	SPC-0587 Y / M / C / K / Lm / Lc / Lk
HS ink	440 ml	SPC-0473 Y / M / C / K / Lm / Lc
	2 liters*	SPC-0589 Y / M / C / K
SS21 ink	440 ml	SPC-0501 Y / M / C / K / Lm / Lc
	2 liters*	SPC-0588 Y / M / C / K / Lm / Lc
ES3 Eco solvent ink	440 ml	SPC-0440 Y / M / C / K / Lm / Lc
Sb52 Dye sublimation ink**	440 ml	SPC-0584 Nk/K/Rk/Bl/M/Y/Lbl/Lm
	2 liters*	SPC-0585 Nk/K/Rk/Bl/M/Y/Lbl/Lm
MBIS (Mimaki Bulk Ink System)		OPT-J0211
Solvent wiper kit	10 pcs	SPA-0125
Waste ink bottle 4 L	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
Mesh print unit	1 pc	OPT-J0142
Lamp unit for double sided print	1 pc	OPT-J0147

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

HS ink

HS ink
A solvent ink meeting the needs for high scratch resistance and high-speed high density printing required for outdoor signboard printing.

ES3 ink

ES3 ink
A safe and low odor solvent ink usable that can be used even in general offices without special exhausting facilities.
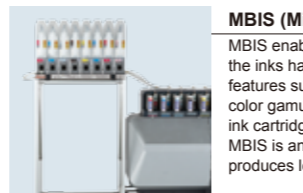
MBIS (Mimaki Bulk Ink System)
MBIS enables a saving in ink costs and the inks have the same high quality features such as ink emission, stability, color gamut and reliability as Mimaki's ink cartridge system.
MBIS is an eco-friendly ink system that produces less waste.

Maximum printing width
3,290 mm

JV5-320S

ISO 14001 JACO UKAS
Our factory is certified according to ISO14001:2004

Grand format inkjet printer
JV5-320S
Mimaki

New functions
Expand business horizons

Mesh printing

Double sided printing

High image quality uncompromised by super wide format
Long awaited printer has arrived

High Speed, High Quality, JV5 Series.

JV5-320S
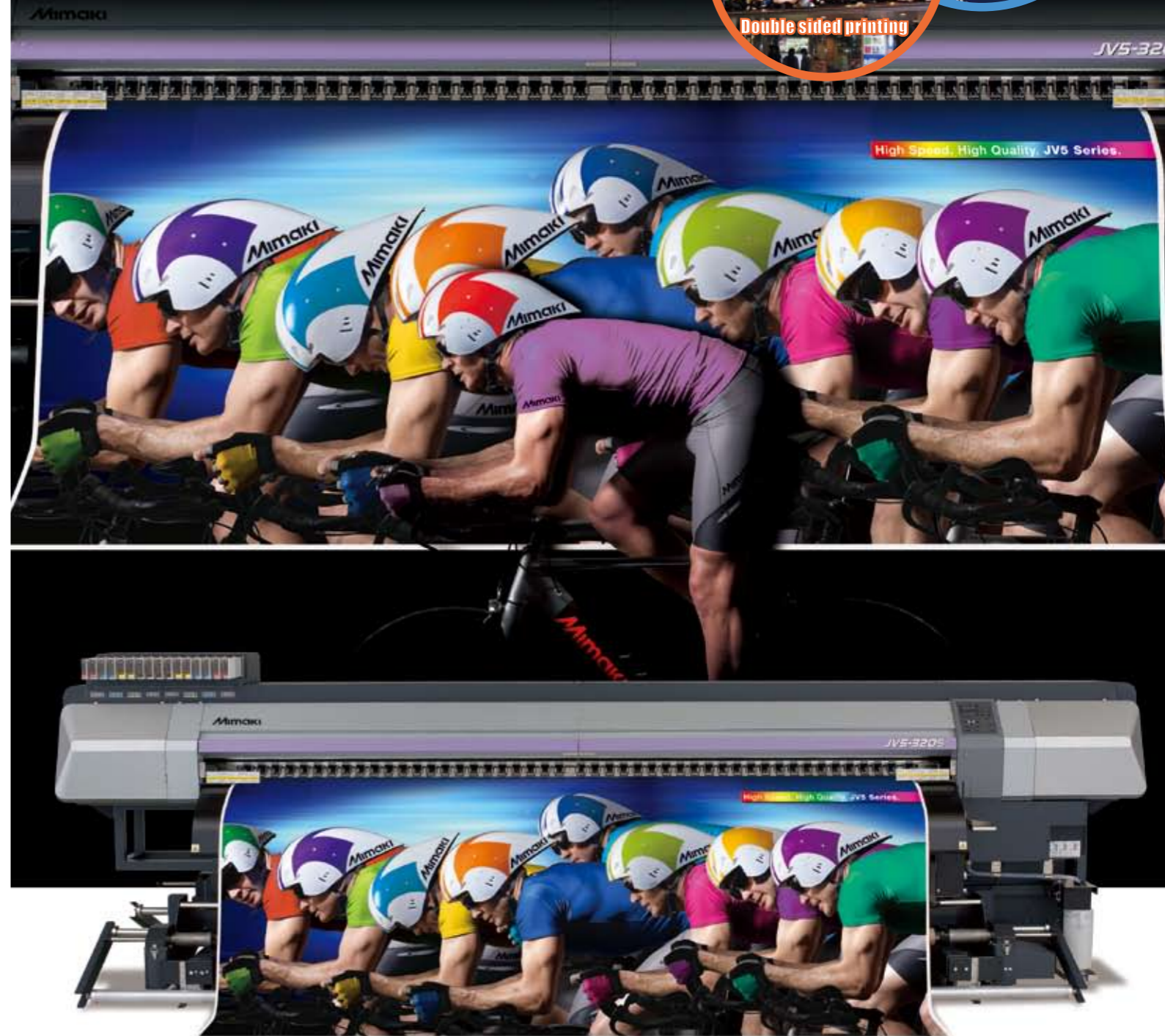
Versatile super wide printer · **3.29 m (129 inches)**
Maximum resolution · **1440 dpi**
Continuous uninterrupted printing with UISS

Automatic drainage system to remove excess ink
Mesh printing innovation

An ink tray receives excess ink which passes through a mesh so avoiding the requirement for a liner.
Ink in the tray is automatically raked out to enable longer printing without worrying about ink overflow (option)

Mesh materials
High quality print is achieved without staining from excess ink.

Device to remove excess ink
Excess ink in the mesh tray is periodically raked into a waste ink bottle.

New function for eye catching backlit applications
Double sided printing innovation

By printing on both sides of FF (flexible face), images for viewing both at night and in daylight can be enhanced to show the same greater brilliance.

Transmission light (back light)

Reflection light Double sided print

Reflection light Two layer print

Automatic registration of double sided prints
When printing on the reverse side, a sensor detects marks printed on the front side and automatically compensates for shrinkage caused by solvent. In addition the printing position in the head movement direction can be changed manually during printing so that the relative positions of double sided images can be adjusted.

Continual innovation.
JV5-320S incorporates new features
for a variety of high quality applications.
JV5-320S overturns previously held
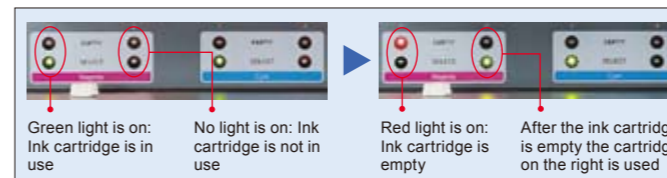# conceptions about many large format printers.

The super wide printing width of 3.29 m (129 inches) and the highest resolution of 720 × 1440dpi enable printing of large, high quality, close view signage.
Additionally, both double sided and mesh prints are now supported.
Many new leading-edge features such as secure media feeding of both heavy and light-weight rolls, unlock new business opportunities.

Mega-sized, high quality printing.
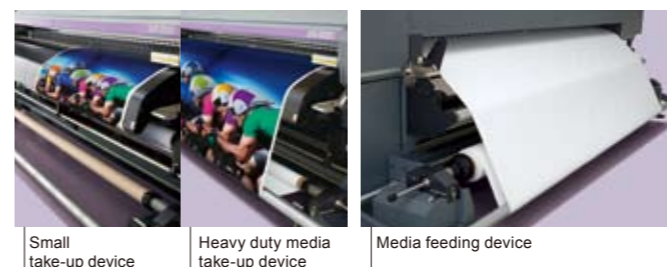### Cutting edge technologies to take advantage of JV5-320S to the fullest extent.

UISS (Uninterrupted Ink Supply System)

JV5 can utilize four cartridges per color in 4-color mode. When the ink cartridge runs out, another cartridge automatically begins to supply ink to prevent interruption of printing. A maximum of 1,760 ml ink per color can be loaded at one time. Ink cartridges can be replaced during printing and overnight continuous printing is possible.

Green light is on: Ink cartridge is in use

No light is on: Ink cartridge is not in use

Red light is on: Ink cartridge is empty

After the ink cartridge is empty the cartridge on the right is used
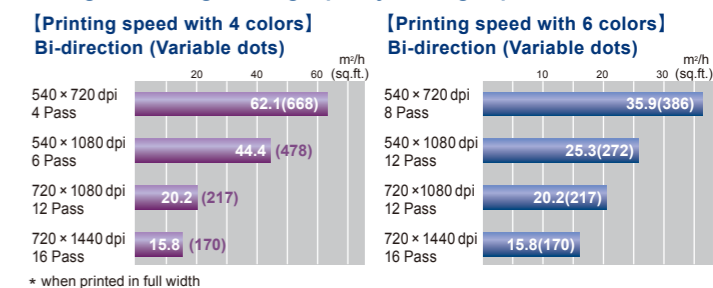
JV5 is equipped with both a heavy duty media feeding system and a convenient small take-up device

Media feeding and take-up devices securely feed heavy media up to 3,290 mm (129 ") wide and 130 kg (290 lbs.) in weight with a tension bar to maintain constant media tension. A small take-up device which can adjust take-up tension is included. Both heavy and narrow media can be used with ease.

Small take-up device

Heavy duty media take-up device

Media feeding device

■Mega-size images at high quality and high speed

【Printing speed with 4 colors】Bi-direction (Variable dots)

Resolution / Pass	m²/h (sq.ft.)
540 × 720 dpi 4 Pass	62.1(668)
540 × 1080 dpi 6 Pass	44.4 (478)
720 × 1080 dpi 12 Pass	20.2 (217)
720 × 1440 dpi 16 Pass	15.8 (170)

【Printing speed with 6 colors】Bi-direction (Variable dots)

Resolution / Pass	m²/h (sq.ft.)
540 × 720 dpi 8 Pass	35.9(386)
540 × 1080 dpi 12 Pass	25.3(272)
720 ×1080 dpi 12 Pass	20.2(217)
720 × 1440 dpi 16 Pass	15.8(170)

＊ when printed in full width

■4 staggered heads arrangement
4 of the newly developed high speed heads configured in 4 staggered lines enable high speed printing. Print resolutions up to 1440 dpi can be selected to suit customer requirements.

4 Head Staggerd

■3 stage intelligent heater
A3 stage intelligent heater enhances both color development and ink fixing by automatically heating the media.

■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.

■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 print quality.

■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 result.

■USB 2.0 interface
USB 2.0 interface enables high speed data transmission.