High performance software RIP helps you utilize the various functions of the JV5 series.

● 16 bit rendering eliminates tone jump and produces fine color reproduction.

● Different images can be laid out freely on the RIP.
● Versatile editing functions such as tiling, trimming, scaling and rotating are provided.
● Able to network in environments where Windows and Macintosh co-exist.

【8 bit rendering】
Tone jump is likely to occur in gradation

【16 bit rendering】
Smooth gradation without tone jump

RasterLink ProⅢ

Grand format inkjet printer

JV5-320S

Mimaki

New functions
Expand business horizons

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

Double sided printing

Mesh printing
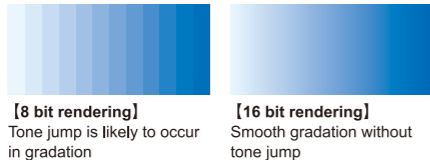
■**Specification**

Items		Specification
		JV5-320S
Print Head		On-Demand Piezo Heads (Array of 4 staggered print heads)
Maximum printing width		3,250 mm (128")
Printing resolution		540, 720, 1,440 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 × 1,080 dpi: Bi-/Uni-direction
		720 × 1,440 dpi: Bi-/Uni-direction
		1,440 × 1,440 dpi: Bi-/Uni-direction
Ink	Kind	Exclusive solvent ink: either one of ES3 ink or HS ink
	Supply	Automatic change of double ink cartridges
	Capacity	6 color mode:440 cc cartridge × 2/color, 880 cc/color
		4 color mode: 440 cc cartridge × 4/color, 1,760 cc/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: 3inch / Outside: Less than φ250mm (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	±0.3mm 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		USB2.0
Power specification		AC 200V to 240V ±10%, 50/60Hz ±1Hz, 30A 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

■**Supplies**

Item		Item No.
HS ink	440 cc	SPC-0477Y・M・C・K・Lm・Lc
ES3 ink	440 cc	SPC-0440Y・M・C・K・Lm・Lc
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 cc	SPC-0294
Mesh print unit	1 pc	OPT-J0142
Lamp unit for double sided print	1 pc	OPT-J0147

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.
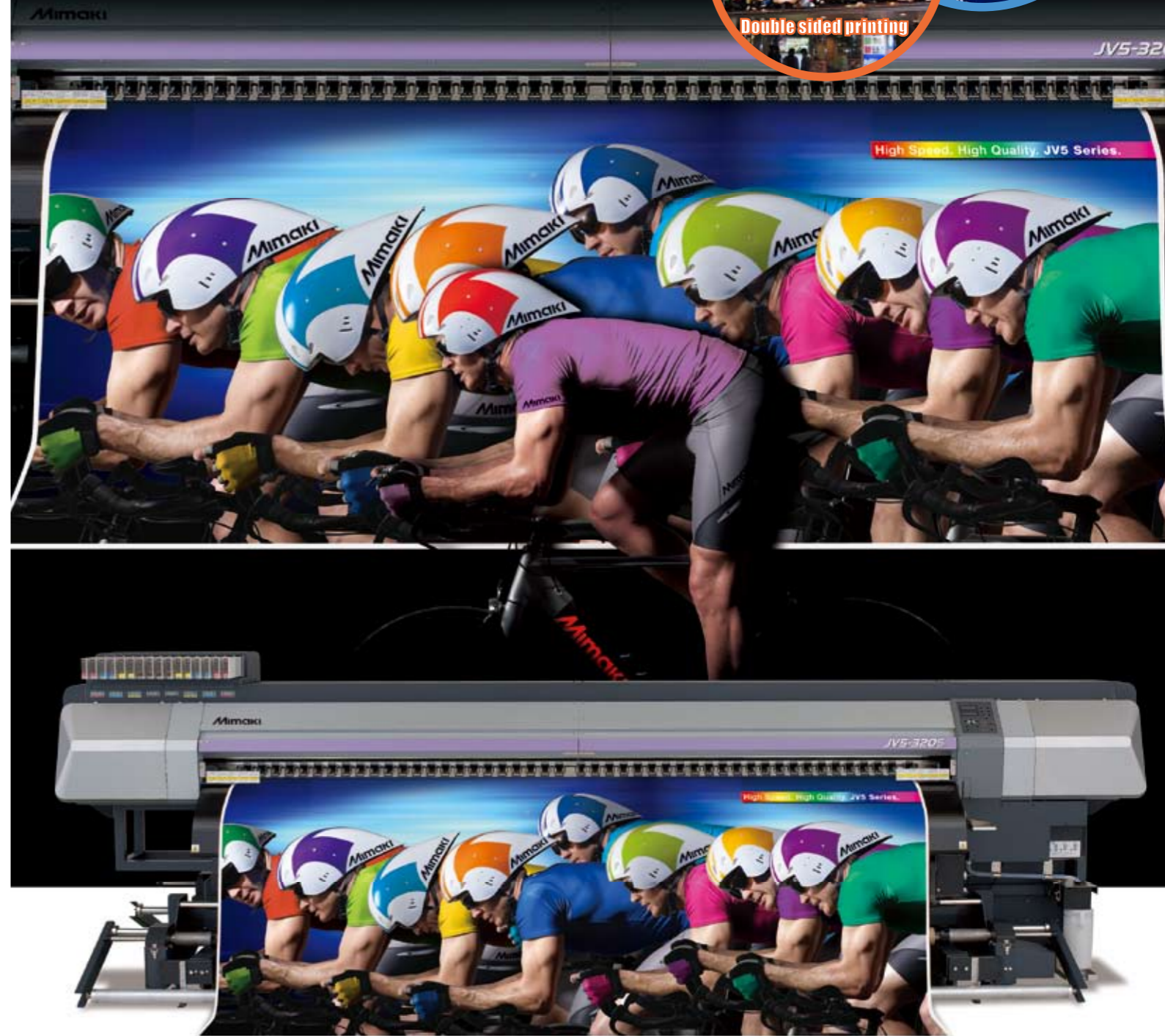
ES3 ink

ES3 ink
A safe and low odor solvent ink usable that can be used even in general offices without special exhausting facilities.

Versatile super wide printer - 3.25m (128 inches)

Maximum resolution - 1,440dpi

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
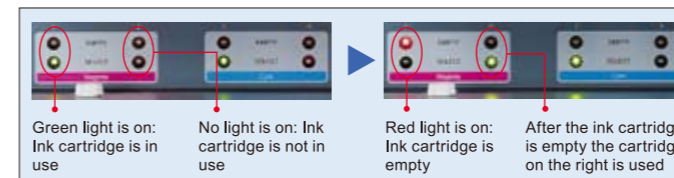# conceptions about many large format printers.

The super wide printing width of 3.25 m (128 inches) and the highest resolution of 720 x 1,440dpi 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 1,760cc 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

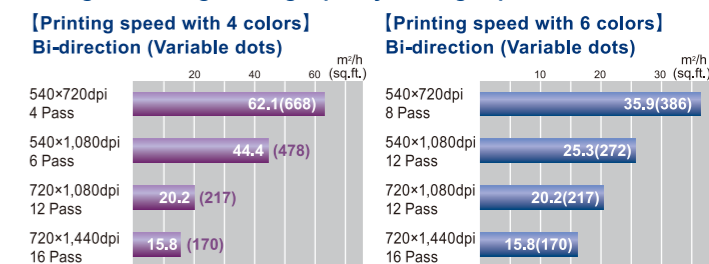After the ink cartridge is empty the cartridge on the right is used

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 3,250mm (128") wide and 130kg (290lbs.) 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.
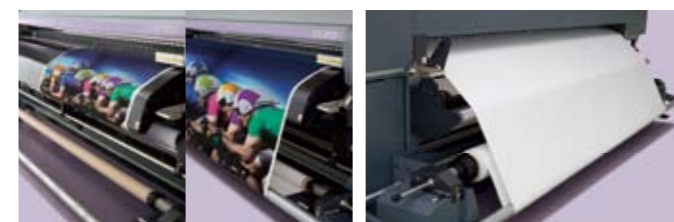
Small take-up device

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) m²/h (sq.ft.)

540×720dpi 4 Pass	62.1(668)
540×1,080dpi 6 Pass	44.4 (478)
720×1,080dpi 12 Pass	20.2 (217)
720×1,440dpi 16 Pass	15.8 (170)

【Printing speed with 6 colors】
Bi-direction (Variable dots) m²/h (sq.ft.)

540×720dpi 8 Pass	35.9(386)
540×1,080dpi 12 Pass	25.3(272)
720×1,080dpi 12 Pass	20.2(217)
720×1,440dpi 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 1,440dpi 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.