Outdoor signage

Poster

Backlit and frontlit signage

Banners

RasterLink 6

The newly developed software RIP with user-friendly operation and high functionality

It would mean nothing to provide high-performance software with a variety of useful functions if the software itself is too difficult and complicated to use...
The newly developed RasterLink software was designed to be extremely user-friendly with this idea in mind. With a wide variety of newly added features, RIP software, software for people of all ages and backgrounds, now encompasses a perfect package with all of the features needed to reproduce beautiful full-color finishes in high definition with the easiest set of controls to use to navigate with!!

Web update function is supported

Supports the Web update function that has been well-received in RasterLinkPro5.
Program update and profile download can be easily performed via internet.

■ Specifications

Item		JV150-130	JV150-160
Printhead		On-demand piezo head	
Print resolution		360 dpi, 540 dpi, 720 dpi, 1,080 dpi, and 1,440 dpi	
Maximum print width		1,361 mm (53.5 in)	1,610 mm (63.3 in)
Maximum media width		1,371 mm (53.9 in)	1,620 mm (63.7 in)
Ink	Type/Color	Eco-solvent ink ES3 (C, M, Y, K, Lc, Lm) SS21 (C, M, Y, K, Lc, Lm, Lk, Or) BS3* (C, M, Y, K) BS4* (C, M, Y, K) (*Only available in specific countries) Water-based sublimation ink • Sb53 (Bl, M, Y, K, DK, LBl, Lm) • Sb54 (Bl, M, Y, K, LBl, Lm)	
	Package size	ES3 : 440 mL ink cartridge SS21 : 440 mL ink cartridge/2 L Ink pack BS3 : 600 ml ink pack2/2 L Ink pack BS4 : 600 mL ink pack/2L Ink pack Sb53 : 440 mL ink cartridge/2 L Ink pack Sb54 : 440 mL ink cartridge/2 L Ink pack * Eco case 4 (OPT-J0361) is required for using 600ml ink pack of BS3 and BS4 inks. * Optional Mimaki bulk ink system 3 (MBIS3) isrequired for using 2 L ink pack.	
Media thickness		1.0 mm or less	
Rolled media weight		40 kg (88 lb) or less	
Certifications		VCCI class A / FCC class A / ETL (UL 60950) CE Marking (EMC, Low voltage, and Machinery directive) / CB / RoHS REACH and Energy Star / RCM	
Interface		USB 2.0, LAN for E-mail notification function	
Power supply		Single-phase (AC100–120V / AC220–240V)	
Power consumption		1,440Wx1 or less (at AC 100V system) 1,920Wx1 or less (at AC 200V system)	
Operational environment		Temperature: 20–30℃ (68–86°F), Humidity: 35–65% Rh (Non condensing)	
Dimensions (W × D × H)		2,525 mm × 700 mm × 1,392 mm (99.4 in × 28 in × 54.8 in)	2,775 mm × 700 mm × 1,392 mm (109.3 in × 28 in × 54.8 in)
Weight		160 kg	185 kg

■ Supplies

Item	Color	Item No.	Remarks
ES3	Cyan	SPC-0440C	440 ml Ink cartridge
	Magenta	SPC-0440M	
	Yellow	SPC-0440Y	
	Black	SPC-0440K	
	Light Cyan	SPC-0440LC	
	Light Magenta	SPC-0440LM	
SS21	Cyan	SPC-0501C	440 ml Ink cartridge
	Magenta	SPC-0501M	
	Yellow	SPC-0501Y	
	Black	SPC-0501K	
	Light Cyan	SPC-0501LC	
	Light Magenta	SPC-0501LM	
	Orange	SPC-0501Or	
	Light Black	SPC-0501Lk	
	Cyan	SPC-0588C	2,000 ml ink pack
	Magenta	SPC-0588M	
	Yellow	SPC-0588Y	
	Black	SPC-0588K	
	Light Cyan	SPC-0588LC	
	Light Magenta	SPC-0588LM	
	Orange	SPC-0588Or	
	Light Black	SPC-0588Lk	

Item	Color	Item No.	Remarks
BS3	Cyan	SPC-0667C	600 ml Ink pack
	Magenta	SPC-0667M	
	Yellow	SPC-0667Y	
	Black	SPC-0667K	
	Cyan	SPC-0693C	2,000 ml Ink pack
	Magenta	SPC-0693M	
	Yellow	SPC-0693Y	
	Black	SPC-0693K	
Sb53	Blue	SB53-BL-44	440 ml Ink cartridge
	Magenta	SB53-M-44	
	Yellow	SB53-Y-44	
	Black	SB53-K-44	
	Deep Black	SB53-DK-44	
	Light Blue	SB53-LBL-44	
	Light Magenta	SB53-LM-44	
	Blue	SB53-BL-2L	2,000 ml Ink pack
	Magenta	SB53-M-2L	
	Yellow	SB53-Y-2L	
	Black	SB53-K-2L	
	Deep Black	SB53-DK-2L	
	Light Blue	SB53-LBL-2L	
	Light Magenta	SB53-LM-2L	

Item	Color	Item No.	Remarks
BS4	Cyan	BS4-C-60	600 ml ink pack
	Magenta	BS4-M-60	
	Yellow	BS4-Y-60	
	Black	BS4-K-60	
	Cyan	BS4-C-2L	2,000 ml ink pack
	Magenta	BS4-M-2L	
	Yellow	BS4-Y-2L	
	Black	BS4-K-2L	
Sb54	Blue	SB54-BLT-44	440 ml Ink cartridge *ECO PASSPORT® Certification Ink (Certificate NoNEP1605)
	Magenta	SB54-MT-44	
	Yellow	SB54-YT-44	
	Black	SB54-KT-44	
	Light Blue	SB54-LBT-44	
	Light Magenta	SB54-LMT-44	
	Blue	SB54-BLT-2L	2,000 ml ink pack *ECO PASSPORT® Certification Ink (Certificate NoNEP1605)
	Magenta	SB54-MT-2L	
	Yellow	SB54-YT-2L	
	Black	SB54-KT-2L	
	Light Blue	SB54-LBT-2L	
	Light Magenta	SB54-LMT-2L	

*SS21 is GREENGUARD Gold certification ink.

●Some of the samples in this catalogue are artificial renderings. ●Specifications, design and dimensions stated in this catalogue may be subject to change without notice (for technical improvements, etc). ●The corporate names and merchandise names written on this catalogue are the trademark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may vary slightly vary after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences. ●Please note that descriptions and data in this catalogue are as of Apil 2019.

Mimaki

Wide-format Inkjet Printer for Solvent / Water-based Sublimation Inks

JV150 Series
JV150-130/JV150-160

For SIGN GRAPHICS

JV150-160

HIGH-SPEED AND RELIABLE PRINT QUALITY

Mimaki Green Technology

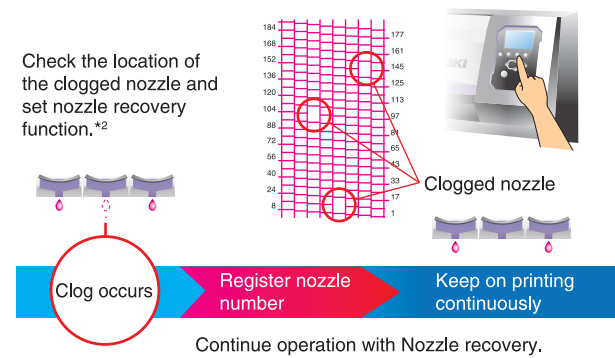GREENGUARD

High-speed and reliable print quality

Continuous operation support pack to minimize downtime

The JV150 is prepared with the following continuous operation support pack to minimize downtime in case of emergency such as machine failure.

Productivity maintenance - NRS*[1]

The NRS substitutes defective nozzles with non-defective nozzles until the technician arrives. This feature enables uninterrupted print operations and continuous productivity.
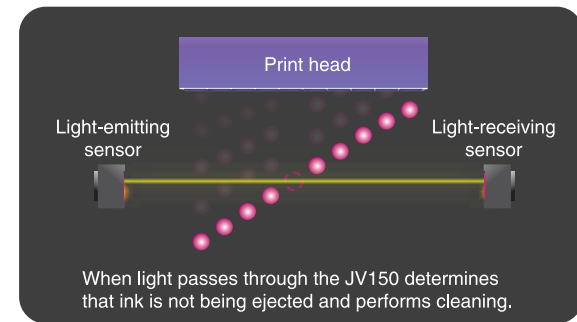
*[1] NRS: Nozzle Recovery System
*[2] 10 nozzles per nozzle row can be registered.

Check the location of the clogged nozzle and set nozzle recovery function.*[2]

Clogged nozzle

Clog occurs → Register nozzle number → Keep on printing continuously

Continue operation with Nozzle recovery.

Prevention of print quality problems - NCU*

The JV150 is equipped with Mimaki's original automatic NCU. Clogged nozzles are automatically detected and cleaned by the NCU. If the clogging is not resolved by cleaning, the JV150 automatically sets the nozzle recovery function NRS and resumes printing. These functions significantly reduce the waste printing caused by clogged nozzles during a continuous printing run.

* NCU: Nozzle Check Unit

Print head

Light-emitting sensor   Light-receiving sensor

When light passes through the JV150 determines that ink is not being ejected and performs cleaning.

Reliable ink supply system

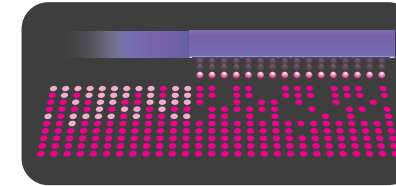|	
UISS*	The JV150 is equipped with a 2-ink cartridge per color. Even if one cartridge becomes empty, ink supply continues from the other cartridge, preventing print suspension from ink end.
Non-stop ink replacement	Cartridges that are out of ink can be replaced while printing. This prevents print suspension from ink end.
MBIS III (Option)	Optional MBIS III with its large 2L ink pack enables continuous printing at a reduced operational cost.

* UISS is compatible only with the CMYK ink set.
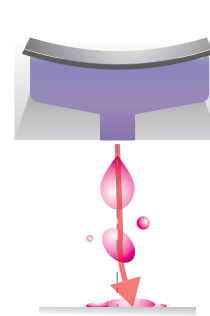
Stunning beauty

Banding reduction

The reputable anti-banding function MAPS2 has been improved to MAPS3*. Advanced MAPS3 scatters ink droplets and overlaps prints on areas of frequent banding.
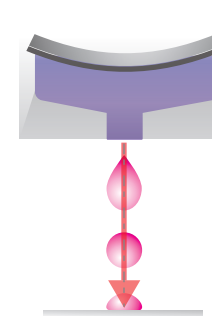
* MAPS3: Mimaki Advanced Pass System 3

Advanced ink jet technology ensures high-quality printing at all times

Mimaki's unique advanced ink jet technology allows the print head to jet each ink droplet at the appropriate jetting angle while retaining excellent ink droplet circularity. This advanced technology ensures that texts, lines, and edges are clearly printed.

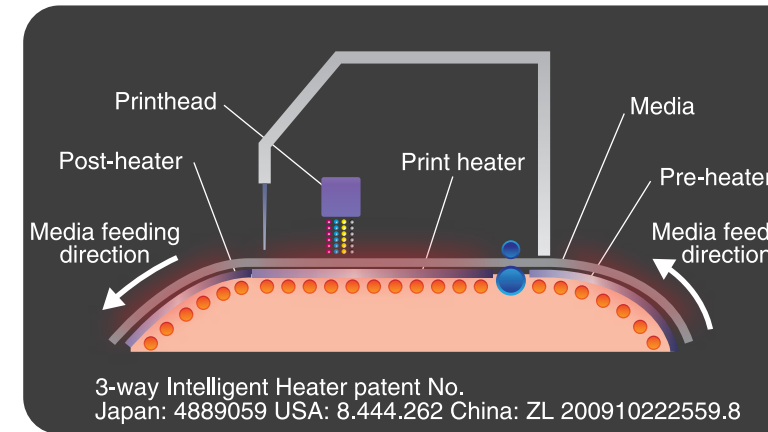Printing without waveform management   Printing with optimized waveform

3-Way intelligent heater

A 3-way intelligent heater fixes droplets placed on media. By using Mimaki's original technology in heating the media at a controlled temperature, ink can be fixed while maintaining high color development and high image quality. Thus the JV150 provides both steady color development and easy handling after printing.

- Pre-heater: Heats media to the optimum temperature before printing.
- Print heater: Dries ink after it lands on media before it bleeds, improving color development.
- Post-heater: Enhances ink drying and achieves stable take-up.

Printhead
Post-heater   Print heater   Media
Print heater
Media feeding direction   Pre-heater
Media feeding direction

3-way Intelligent Heater patent No.
Japan: 4889059 USA: 8.444.262 China: ZL 200910222559.8

Smooth gradation printing

By ejecting 3 different dot sizes (Large/Medium/Small), images are expressed smoothly without graininess, even in large-format printing. Furthermore, the Large dot size is 35pl and by using this size effectively, light and shade can be expressed firmly while using higher printing speed settings.

Diverse print expressions stimulate your creativity

Achieves a higher level of expression by using orange ink

By using the orange ink as a process color, 94.8% of the PANTONE color chart is covered with approximate colors. Thanks to a wider gamut with the orange ink, food freshness can be simulated, and corporate colors can be faithfully represented.

STAR Tour Company   STAR Tour Company
Conventional ink-set   Ink-set including the orange ink

Accurate expression with light black ink

The light black ink improves the printed grayscale gradation. It also faithfully represents monochrome data without introducing unexpected color shifts. Light black ink ensures a more accurate color representation.

Conventional ink-set   Ink-set including the light black ink

"Sb54" ink enables sublimation printing

Water-based Sb54 ink produces high-density bright color sublimation transfer printing onto polyester. The selected ink type will depend on the requirements of your print business.

Excellent print speed

The JV150 provides high productivity and high image quality.

* The graphs below show the print speeds of JV150-160 in each print mode.

4-color C M Y K

PVC [m²/h] 0 5 10 15 20

Mode	Speed
Draft 540x720dpi 4Pass Bi	19.5m²/h
High Speed 720x720dpi 5Pass Bi	13.1m²/h
Standard 720x720dpi 6Pass Bi	11.1m²/h
High Quality 720x1440dpi 12Pass Bi	5.6m²/h

Banner [m²/h] 0 10 20 30 40 50 60

Mode	Speed
Super Draft 360x360dpi 1Pass Bi	56.2m²/h
Draft 540x360dpi 2Pass Bi	36.0m²/h
High Speed 540x720dpi 4Pass Bi	19.5m²/h
Standard 720x720dpi 4Pass Bi	16.0m²/h
High Quality 720x1440dpi 10Pass Bi	6.6m²/h

8-color C M Y K LC LM LK Or

PVC [m²/h] 0 2 4 6 8 10

Mode	Speed
Draft 720x720dpi 8Pass Bi	8.2m²/h
High Speed 720x1080dpi 12Pass Bi	5.6m²/h
Standard 720x1080dpi 16Pass Bi	4.3m²/h
High Quality 720x1440dpi 18Pass Bi	3.6m²/h

Banner [m²/h] 0 5 15 20 25 30

Mode	Speed
Draft 360x360dpi 2Pass Bi	28.1m²/h
High Speed 540x360dpi 4Pass Bi	17.8m²/h
Standard 720x720dpi 8Pass Bi	8.2m²/h
High Quality 720x1080dpi 14Pass Bi	4.7m²/h