Posters

Backlit and Frontlit Signage

Banners

Outdoor signage

RasterLink 6
Intuitive and user-friendly operation

Sophisticated RIP Software maximizes performance

3-layer printing
Enables simultaneous 3-layer printing;
e.g. Colour → White → Colour

Web update function is supported:
This facility enables easy program updates and profile downloading to be performed via the internet.
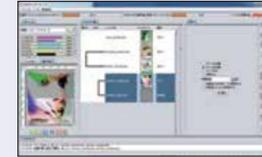
1. Easy to follow icons enable intuitive and user-friendly operation
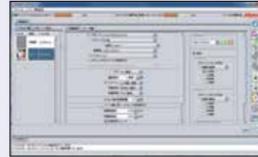
2. Related settings feature in one window to simplify RIP operations with 'Register as Favourite' option available for regularly used layouts

3. Printing progress can be monitored on the main screen

JV150Series
PRELIMINARY BROCHURE

Specifications

	JV150-130	JV150-160
Printhead	On-demand piezo head	
Print resolution	360dpi, 540dpi, 720dpi, 1,080dpi, 1,440dpi	
Maximum print width	1,361mm	1,610mm
Maximum media width	1,371mm	1,620mm
Ink — Type/Colour	**Solvent ink** SS21 (C, M, Y, K, Lc, Lm, Lk, Or) BS3 (C, M, Y, K) - only available to non-EU countries **Water-based sublimation ink** Sb53 (Bl, M, Y, K, DK, Lb, Lm)	
Ink — Package size	SS21: 440ml Ink cartridge/2L Ink pack* BS3: 600ml Ink pack/2L Ink pack* Sb53: 440ml Ink cartridge/2L Ink pack*	
Media thickness	1.0mm or less	
Rolled media weight	40kg 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 (AC 100–120V / AC 220–240V±10%) 50/60Hz±1Hz	
Power consumption	100V: 1.44kW × 1 or less, 200V: 1.92kW × 1 or less	
Operational environment	Temperature: 20–30 °C (68–86 °F), Humidity: 35–65% Rh (Non condensing)	
Dimensions (W × D × H)	2,525mm × 700mm × 1,392mm	2,775mm × 700mm × 1,392mm
Weight	160kg	185kg

* Optional MBIS3 (Mimaki Bulk Ink System3) is required for using 2L Ink pack.

Options

Item	Item No.
Drying fan 130 / Drying fan 160	OPT-J0352 / OPT-J0351
Exhaust kit 130 / Exhaust kit 160	OPT-J0354 / OPT-J0353
Static prevention sheet 130 / Static prevention sheet 160	OPT-J0357 / OPT-J0355
AMF130 Kit / AMF160 Kit	OPT-J0360 / OPT-J0359
Additional PR-130 / Additional PR-160	OPT-J0376 / OPT-J0362
Jig-Head gap check	OPT-J0375
MBIS3 (Mimaki Bulk Ink System)	OPT-J0364
Eco case for 600 ml ink bag	OPT-J0361

Supplies

Item	Colour		
SS21	Cyan	SPC-0501C	440ml 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	2,000ml 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	
BS3	Cyan	SPC-0667C	600ml Ink pack
	Magenta	SPC-0667M	
	Yellow	SPC-0667Y	
	Black	SPC-0667K	
	Cyan	SPC-0693C	2,000ml Ink pack
	Magenta	SPC-0693M	
	Yellow	SPC-0693Y	
	Black	SPC-0693K	
Sb53	Blue	SB53-BL-44	440ml 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	2,000ml 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	
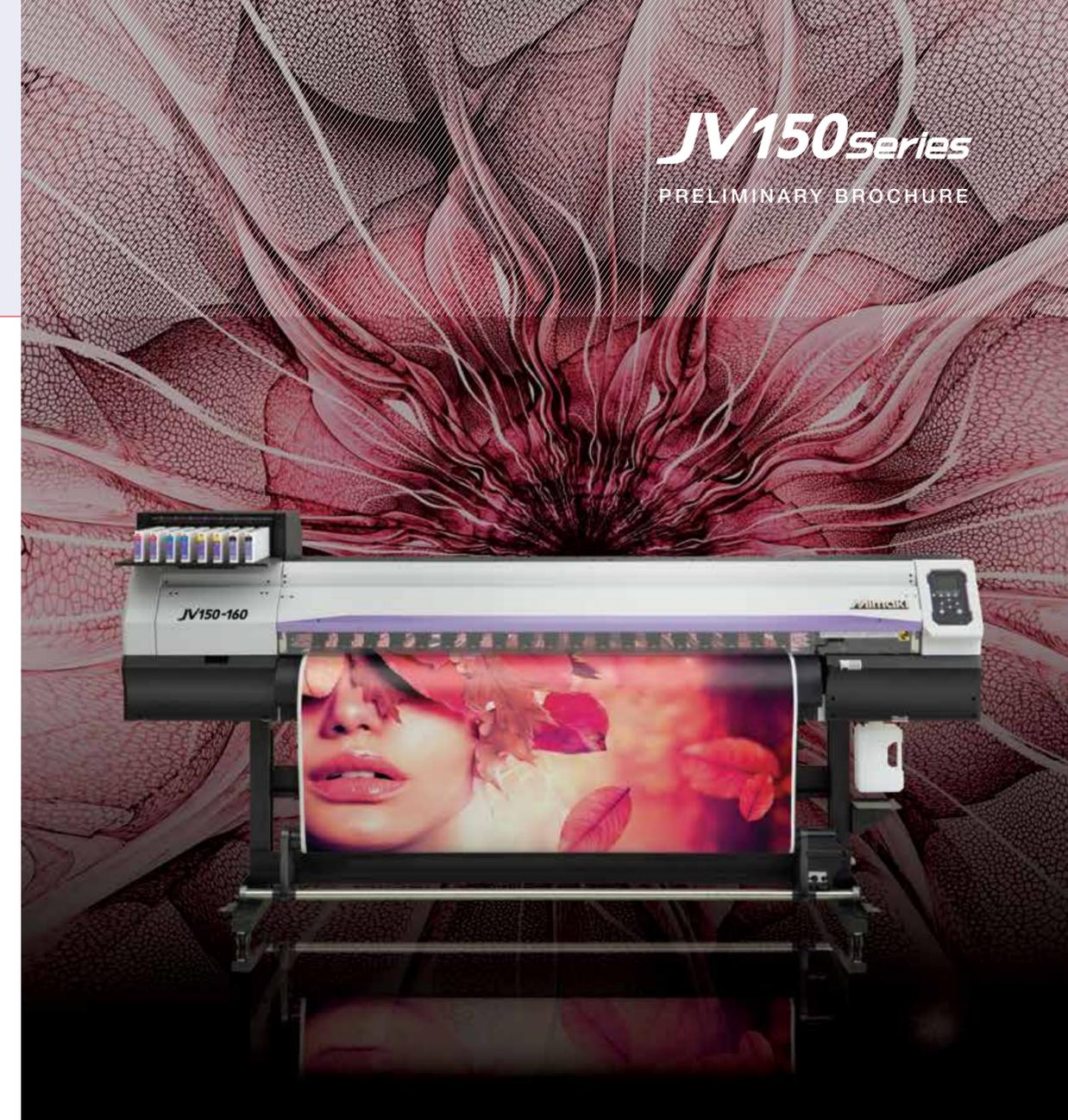
Affordable, high performance printer···

JV150-160

Mimaki

SG — SIGN & GRAPHICS

TA — TEXTILE & APPAREL

Mimaki
The world imagines... Mimaki delivers

Affordable, high-spec, high-performance printer

JV150 Series printer from Mimaki provides high performance, creativity and versatility with vibrant ink types, including new Orange and Light Black, in a cost effective package for signmakers, display graphics professionals and printshops.

ENGINEERING EXCELLENCE AND CREATIVE INNOVATION

Founded in Japan in 1975, Mimaki Engineering has steadily grown by reputation and influence into a global company with large operational bases in Asia and the Pacific, United States and Europe.

Renowned for award-winning performance, peerless build quality and innovative technology, Mimaki has established itself as a leading manufacturer of wide-format inkjet printers and cutting machines for the sign and graphics, textile and apparel and industrial markets. In addition, Mimaki also provides a comprehensive range of supporting products; hardware, software and associated consumable items, such as inks and cutting blades.

From outdoor signage and billboards to interior decoration and furnishing, from packaging and labels to promotional gifts and apparel, Mimaki is committed to developing technology that sets new industry standards, producing machines and products that turn the imagination of our customers into breath-taking reality.

··· Mimaki delivers

JV150 series delivers ···

JV150 Series
JV150-130/JV150-160

- Fast printing speeds up to 56.2m² per hour
- High quality print resolution of up to 1,440dpi
- Two different printing widths: 1,361mm and 1,610mm
- Choice of multiple solvent ink sets, including:
  - 8-colour options (SS21) featuring; Orange and Light Black
- Nozzle Check Unit (NCU) and Nozzle Recovery System (NRS) ensure continuous print operations
- UISS and optional MBIS III on board 2 litre bulk ink system
- 3-way intelligent heater

- SOLVENT & DYE SUB INKS
- 2 PRINT WIDTHS AVAILABLE
- 1,440DPI MAX RESOLUTION
- MAPS3 PRINT ENHANCEMENT FUNCTION
- 56.2m²/h MAX. SPEED

Create ··· Stickers, Decals, Labels, Signage, Vehicle graphics, Banners, Posters, PoS, Backlit & Exhibition graphics, Garment marking, Canvas prints and much more...

EASE OF USE

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.
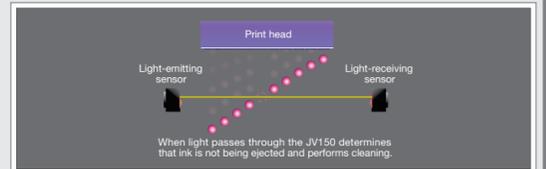
*1 NRS: Nozzle Recovery System   *2 10 nozzles per nozzle row can be registered.

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, 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.
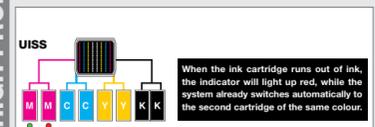
* NCU: Nozzle Check Unit

Print head

Light-emitting sensor   Light-receiving sensor

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

HIGH PRODUCTIVITY

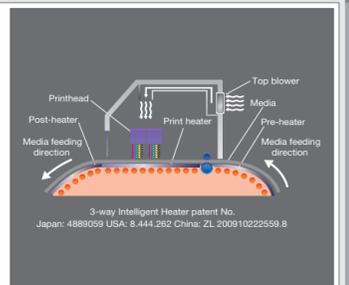**Uninterrupted Ink Supply System (UISS)**

Utilises two cartridges per colour in 4-colour mode. When one cartridge runs out of ink the system switches automatically to the second cartridge of the same colour, enabling long unattended printing.

UISS

M M C Y K K

When the ink cartridge runs out of ink, the indicator will light up red, while the system already switches automatically to the second cartridge of the same colour.

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 colour development and high image quality. Thus the JV150 provides both steady colour 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 colour development.
- Post-heater: Enhances ink drying and achieves stable take-up.
- Top blower: Air blower supports drying of ink.

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

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

KEY TECHNICAL FEATURES ···

HIGH PRINT SPEEDS

4-colour C M Y K

PVC

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

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-colour C M Y K Lc Lm Or Lk

PVC

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

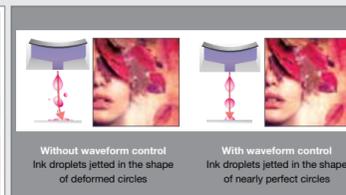|	
Draft 360x360dpi 2Pass Bi	28.1m²/h
High Speed 540x360dpi 4Pass Bi	17.8m²/h
Standard 720x720dpi 8Pass Bi	8.2m²/h
High Quality 720x1080dpi 14Pass Bi	4.7m²/h

*Speeds measured on JV150-160

BEAUTIFUL OUTPUT

MAPS3 (Mimaki Advanced Pass System 3)

Reduces banding by dispersing ink drops between passes.

Waveform Control Technology

Ensures high quality print resolution, by jetting ink drops in straight lines with almost perfect round dots, delivering clear and sharp letters, lines and edges.

Without waveform control
Ink droplets jetted in the shape of deformed circles

With waveform control
Ink droplets jetted in the shape of nearly perfect circles

Large ink dot size in high speed mode

Delivers high density print by removing the gap between dots.

Maximum dot size = 35pl

1/360 inch
1/360 inch

Large 35pl
Middle 14pl
Small 4pl

High density as no gap between dots

Suitable for High speed mode

CREATIVITY

Orange Ink (faithful colour reproduction)

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

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

Light Black Ink (greater definition)

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

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