

# Sophisticated RIP software maximizes the performance of JV400 series

## Raster Link 6

### Additional useful functions

#### 1. Three ink layers in one pass print function

A three-layer print of colour, white and colour can be performed at one time. Printing a base layer 'underlay' of white ink allows perfect reproduction of beautiful natural colours when printing on transparent media. Window graphics can be printed with high precision and no multi-pass colour registration shift.

#### 2. Layout function

Three ink layers or copied images are freely laid out if print conditions remain the same. This function reduces the media waste by efficient layout.

#### 3. Multi-profile, simultaneous printing function

Several profiles that match conditions can be simultaneously printed. This is particularly useful for test output when the profile for a target image quality or colour requires multiple 'profile' test prints.

#### 4. Web update function

Program update and profile download can be easily performed via Web.

### User friendly RIP key features

- Easy to follow icons enable intuitive and user-friendly operation
- Related settings feature in one window to simplify RIP operations, with 'Register as Favourite' option available for regularly used layouts
- Printing progress can be monitored on the main screen

### Specifications

Item	JV400-130/160LX	
Head	On-demand Piezo head (Array of 2 heads in-line)	
Maximum width	1,361mm / 1,610mm	
Print resolution	600, 900, 1,200dpi	
Print speed	Draft	18.2 m <sup>2</sup> /h (1200x900dpi, 6pass, bi-directional, 4 colour)
	Standard	11.0 m <sup>2</sup> /h (900x900dpi, 12pass, bi-directional, 4 colour)
	High quality	6.6 m <sup>2</sup> /h (1200x1200dpi, 16pass, bi-directional, 4 colour)
Ink	LX100 Latex ink	1 colour (White)
	LX101 Latex ink	6 colours (C, M, Y, K, Orange, Green)
	Ink supply system	600 ml ink pack (LX100 white ink is for 220 ml ink cartridge)
Media	Width	Up to 1,371mm / 1,620mm
	Weight	Up to 25kg
	Roll diameter	Up to φ180mm
	Inside roll diameter	2-3 inch
	Print aspect	Inside / outside
	Cutter	Y-direction cutter after head section
Drying device	3 way intelligent heater (Pre/Print/After) Ventilation fan unit, Drying fan heater	
Media take-up device	Roll take-up device, inside/outside selectable	
Interface	USB2.0	
Applicable standard	VCCI class A, FCC class A, UL 60950-1 CE Marking (EMC, Low voltage and Machinery directive) CB Report	
Power specification	AC 100-240V±10%	
Power consumption	100-120V:1,440W x 2 / 200-240V:1,800W x 2	
Operational environment	Temperature: 20°C-30°C (68-86°F); Humidity: 35-65 % RH (non condensing)	
Dimensions (WxDxH)	2,634x854x1,435mm / 2,879x854x1,435mm	
Weight	216kg / 231kg	

### Supplies

Item	Item No.	Remarks	
LX101 Latex Ink	Cyan	LX101-C-60	
	Magenta	LX101-M-60	
	Yellow	LX101-Y-60	
	Black	LX101-K-60	
	Orange	LX101-Or-60	
	Green	LX101-G-60	
	White	LX100-W-22	220ml ink cartridge
Flushing liquid 01	FL001-Z-22	220ml cartridge, for ink discharge	
Flushing liquid 03	C-FL003-Z-22-1-KA	220ml cartridge	
Flushing liquid kit for maintenance of Latex ink	ML001-Z-K1	200ml bottle	
Cutter blade assy	SPA-0107	1 pc	
Waste ink bottle (2L)	SPA-0117	1 pc	
Wiper kit 400	SPA-0184	Set of 10	
C absorber kit	SPA-0185	Set of 3	
W filter kit	SPA-0187	1 set, for MCT	
Cleaning stick for head surrounding	SPC-0527	50 pcs	
Eco cartridge	OPT-J0237	8 cases	

600 ml ink pack requires eco cartridge (OPT-J0237), which can be used repeatedly by replacing ink packs.

### Related Product

**New Solvent UV Ink (SU100) on board**

## JV400-130/160 SUV



SU100 ink: 

- High gloss output
- High scratch resistance and durability
- No drying time, immediate post processing

• Some of the samples in this folder are artificial renderings • Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.)  
• The corporate and merchandise names written on this folder are the trademark of the respective corporations • Inkjet printers print using extreme fine dots, so colours may vary after replacement of the printing heads, also note that if using multiple printer units, colours could vary slightly from one unit to other unit due to slight individual differences • Composer's errors reserved

**NEW**  
Orange & Green  
are now available!

**JV400 Series**  
JV400-130LX / JV400-160LX



**Latex wide format inkjet printer ...**

**Mimaki**

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SIGN & GRAPHICS



eco

**Mimaki**

The world imagines... Mimaki delivers



the power to **create...**



# A new cooler, cleaner and greener latex printer

This innovative new latex machine satisfies the increasing demands of the signage market by being cooler running, more energy efficient and yet delivering breathtaking print quality, with an even wider colour gamut using more ecologically friendly inks and is also the world's first latex printer to feature white ink.

## 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

## JV400-130/160LX delivers ...

- Innovative, more ecologically friendly latex inks
- The world's first water-based White latex ink
- Fast drying inks for improved productivity
- 4 or 6 colour printing plus white ink
- Lower ink curing temperatures (60°C or less) allows greater flexibility and choice of media
- High print durability for outdoor or indoor applications
- Production quality output at up to 18.2 m<sup>2</sup> per hour
- Choice of two print widths (1371 mm or 1620 mm)
- Improved variable dot print technology provides minimum dot size capability of just 4 picolitre

**ECO LATEX INKS**  
**18.2 m<sup>2</sup>/h MAX. PRINT SPEED**  
**LOW INK CURING TEMPERATURES**  
**2 PRINT WIDTHS**  
**4 / 6 COLOUR PRINT + WHITE**

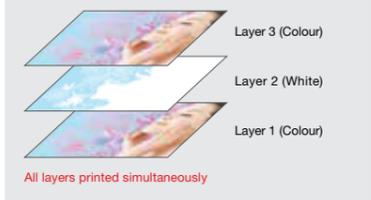


**No drying time**  
 Mimaki Latex ink is fixed and cured right after printing, which enables secondary processing, such as lamination, to be performed immediately, dramatically increasing efficiency.

**Nozzle recovery function**  
 Even when nozzle washing has no effect on troubled nozzle, the print image quality can be recovered temporarily.

\* Nozzle Recovery Function is a temporary failure averting function and its recoverability is limited.

**Three-layer printing**  
 A 3-layer print of colour, white and colour can be performed simultaneously. Printing a base layer of white ink reproduces the natural beauty of process colours that are printed on transparent substrates, with high precision and no multi-pass colour registration shift.



**Create ...** Indoor and Outdoor Signage and Display Graphics, Window decorations, Retail PoS and print on transparent PET, shatterproof window film and much more...

## KEY TECHNICAL FEATURES ...

**Six colour Latex inks plus white & Ink Circulation System**

The innovative water based latex inks are odourless and feature very low VOC (volatile organic compounds). The addition of white ink provides the flexibility to print to a wide range of media including transparent PET, window decoration and shatterproof window film. The addition of an advanced ink circulation system, MCT\*, prevents pigment sedimentation and provides stable ink-jetting, whilst reducing manual ink cartridge circulation.

\*MCT = Mimaki Circulation Technology. MCT works only with white ink.

**High-speed print head with variable ink dot technology**

New, technically advanced printhead provides 4 picolitre minimum capability. Variable ink dot print mode enables smooth print gradation without grainy appearance.

Two newly developed print heads with four rows of 320 nozzles per head are arranged in-line. The result is top quality, high speed printing.

