

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

JV400 Series
JV400-130LX / JV400-160LX

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	High speed	18.1m ² /h (900x900dpi, 6pass, bi-directional, 4 colour)
	Standard	14.2m ² /h (900x1,200dpi, 8pass, bi-directional, 4 colour)
	High quality	11.9m ² /h (1,200x1,200dpi, 8pass, bi-directional, 4 colour)
Ink	LX100 Latex ink	5 colours (C, M, Y, K, W)
	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	
LX100 Latex ink	Cyan	LX100-C-60	
	Magenta	LX100-M-60	
	Yellow	LX100-Y-60	
	Black	LX100-K-60	
	White	LX100-W-22	220ml ink cartridge
Eco cartridge	OPT-J0237	8 cases	

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

Related Product

New Solvent UV Ink (SU100) on board
JV400-130/160 SUV

Never-before-seen glossiness
Solvent UV ink performs UV curing, not when the ink is discharged, but after the pigment is fixed to the media, all while maintaining the vivid colour reproduction of solvent ink, resulting in a coating-like smooth glossy print.

A Scratch resistance that everyone desires
A robust UV component remains on the media after UV curing, which provides a surprisingly strong scratch resistance (rub-fastness) and weatherability. In cases such as banner materials, where lamination is difficult and often omitted, considerable durability can be expected.

No drying time, immediate shift to post-processing
Since the ink is already cured on media after printing, secondary processing, such as lamination, can be performed, which dramatically increases efficiency.

Fixing method of SUV ink
Solvent component
UV ink component
Discharge
Media
Solvent component vapour
Solvent attacks media, fixing pigment.
UV irradiated
Excellent glossiness & high robustness

SU100 ink:
C M Y K
New Standard Solvent UV Ink



Latex wide format inkjet printer ...

• 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

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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

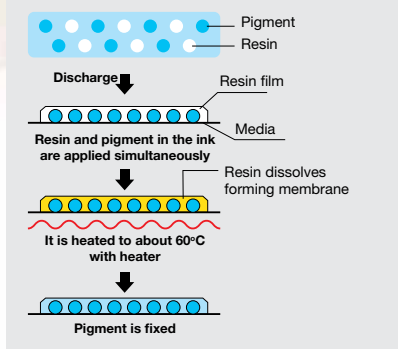
JV400-130/160LX delivers ...

- Innovative, more ecologically friendly latex inks
- The world's first water-based White latex ink
- Fast drying inks for improved productivity
- 4 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 18.1 m² 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
18.1 m²/h MAX. PRINT SPEED
LOW INK CURING TEMPERATURES
2 PRINT WIDTHS
4 COLOUR PRINT + WHITE



Fixing method of Latex ink



Fail-safe functions for continuous operation

- **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.
- **Uninterrupted Ink Supply System**
Two ink cartridges per colour are set in 4-colour mode. When the ink level of one cartridge is almost empty, the ink supply automatically switches to another cartridge of the same colour, preventing from stopping a print job due to running out of ink.

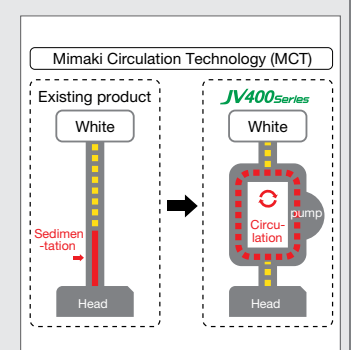
Create ... Indoor and Outdoor Signage and Display Graphics, Window decorations, Retail PoS and print on transparent PET, shatterproof window film and much more...

KEY TECHNICAL FEATURES ...

Four colour Latex inks plus white & Ink Circulation System

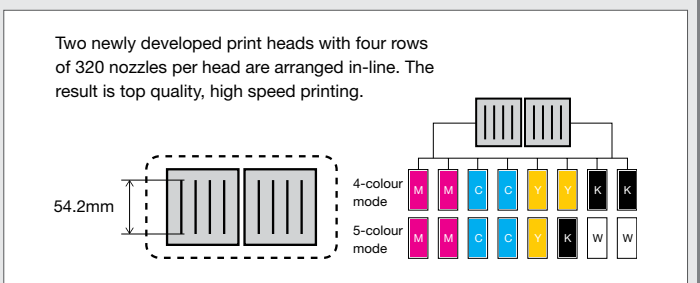
The innovative water based latex inks are odourless and feature very low VOC (volatile organic compounds). The addition of white ink provides the flexibility to print to a wide range of media including transparent PET, window decoration and shatterproof window film. The addition of an advanced ink circulation 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.



Improved drying device for the colour reproduction fixability of ink

3 Way Intelligent Heater improves the color reproduction and fixability of ink by heating the media to the proper temperature before, during and after printing. In combination with the 3 Way Intelligent Heater, the added drying fan heater is employed to help resin dissolve to form a membrane.

60°C cold cure expands capability for heat-sensitive media

It can be used to output on heat deformable or discolorable materials including PET, it also contributes to reduction of color blurring due to high temperature. Combining its excellent media capability with cold cure, Latex Ink can meet the diversified needs of clients in a finer, more versatile and higher quality manner.

* Depending on media, ink curing temperature needs 70°C or higher.

