

JV400LX



Mimaki JV400LX Series Latex Printer

Eco-friendly and economical latex ink roll-to-roll printers available in 54" and 64" media widths



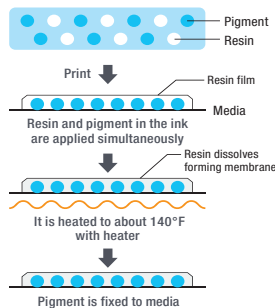
JV400LX features-at-a-glance

- Eco-friendly latex ink including orange, green and exclusive white
- Reusable Eco-Cartridge cases utilize disposable 600ml LX101 ink packs
- Print resolutions up to 1200 dpi
- Print speeds up to 196 sqft/hr
- Available in 54- and 64-inch media widths

THE LATEST LATEX PRINTER TECHNOLOGY

Lower temperatures accommodate heat-sensitive media.

Print on media that is vulnerable to thermal deformation or color change, including PET. The lower curing temperature of 140°F also reduces color blurring that can occur at higher curing temperatures.



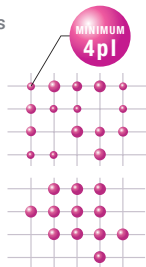
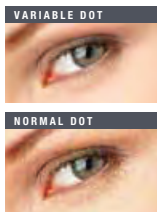
No degassing or additional drying time facilitates faster turnarounds.

When latex ink is output from the printer, as it is heated, it immediately becomes hardened and fixed to the media. This facilitates faster secondary processing such as lamination and quicker product shipping.

Smooth, high definition color with variable dot printing.

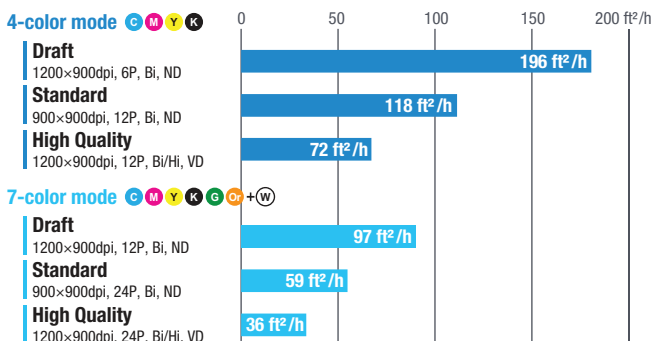
Variable dot printing produces a smoother, more natural gradation without the granular appearance seen in fixed-dot printing.

Variable dot sizes at a minimum of 4pl offers higher definition over standard dots.



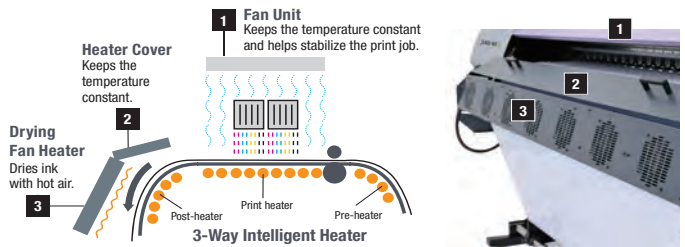
High speed, in-line print heads.

Two print heads with 4 rows of 320 nozzles per head are arranged in-line. This double coverage results in faster printing and superb resolution quality.



3-way media heater & front drying fan.

Mimaki's integrated 3-way Intelligent Heater improves latex ink performance by heating the media before, during and after printing. A post-printing drying fan heater helps the latex resin dissolve and fix the pigment to the media.



INK VERSATILITY

Latex ink set includes expanded color choices.

The LX101 latex ink set includes the standard CMYK along with the industry's only white latex ink for printing on colored and transparent media. The addition of orange and green latex ink widens the color gamut for improved vibrancy and color accuracy.



Reusable ink Eco-Cartridge.

The JV400LX ink cartridges can be repeatedly used by simply changing out the spent 600ml ink packs. The Eco-Cartridge reduces waste and can lower ink costs.



AUTOMATED QUALITY ASSURANCE



MCT keeps white ink circulating.



White ink can settle and clog the print head nozzle.

Dependable white ink performance.

When printing with white ink, the innovative Mimaki Circulation Technology (MCT) keeps the ink in constant, fluid circulation between the cartridge and print head. This ensures stable, consistent white ink imaging and reduces white ink and media waste.

Real-time reliability.

JV400LX Series printers are equipped with Mimaki's Nozzle Check Unit (NCU) that automatically detects and cleans clogged nozzles while the machine is printing. The Nozzle Recovery System (NRS) takes over if for any reason the nozzle fails to clear and the printer experiences nozzle drop out. Rather than stopping, the printing operation can continue by registering with NRS that a particular nozzle has experienced a drop out.

With Nozzle Recovery System



Without Nozzle Recovery System



Eco-friendly, economical.

Mimaki's **JV400LX Series** printers use eco-friendly, economical latex ink that is suitable for most any workspace. Latex ink is popular since it emits very few VOCs and doesn't need special ventilating equipment. Another plus is that latex prints require no additional degassing, making them ready for use or lamination directly off the JV400LX printer. Mimaki is the first to offer white latex ink that helps retain the natural vividness of colors when used as an underprint or overprint on transparent or colored media such as clear film for window graphics. The JV400LX printer also brings orange and green latex ink to the mix for an extended color gamut.



EXCLUSIVE WHITE LATEX INK

With Mimaki's exclusive LX101 white latex ink, you can add an overprint or underprint layer of white ink for more vivid color output and greater graphic flexibility when using transparent media. Mimaki's Circulation Technology facilitates better white ink performance and less waste.



EQUIPPED WITH UISS & ECO-CARTRIDGES

Two ink cartridges per color are set in 4-color mode. When the ink level of one cartridge is almost empty, the ink supply is automatically switched to the other ink cartridge. The JV400LX printer utilizes economical and reusable 600ml Eco-Cartridges for all latex inks (except white).



EXPANDED MEDIA CHOICES

Because the latex ink is only heated to 140°F, it can print on polyester fabric, PVC film and banner material as well as on most media that are used in eco-solvent machines. Moreover, non-coated media without an acceptance layer, such as fabric and paper, can be printed on as well.



3-WAY MEDIA HEATER OPTIMIZES CURING

Three built-in heater areas – pre, print, and post – provide accurate media heating for controlled and consistent ink adhesion and drying. A series of top blower fans control dot size and spread by drying the ink surface.



WIDER COLOR GAMUT

Six-color process printing is now possible with the addition of orange and green inks. The color gamut has been expanded to achieve coverage of 93% of the Pantone® color chart for more vivid, color-correct images.



VEHICLE WRAPS



BANNERS

Applications abound.

For signage, posters, banners, vehicles wraps, color proofing and more, JV400LX Series printers meet a widening range of applications. Print on hundreds of popular solvent ink materials such as PVC, vinyl banner and other signage media. Because of its low temperature curing, it is ideal for printing on media – such as PET for car wraps – that is vulnerable to thermal deformation or color change. It can also print directly onto foils and flexible media for packaging development and proofing. Mimaki's exclusive white latex ink makes this printer ideal for transparent applications such as window displays.



CUSTOM PRINTS



WINDOW CLINGS



DECALS

RasterLink6

Intuitive and user-friendly operation



SOPHISTICATED RIP SOFTWARE MAXIMIZES PERFORMANCE

Simultaneous layer printing.

RasterLink6 software enables simultaneous three-layer printing for two-sided viewing – color > white > color, or for white over/underprinting.

Simplified RIP operations.

The “Register as Favorite” feature saves regularly used RIP layouts and operations in a single window for quick retrieval.

Web software update function.

Program updates and profiles can be downloaded via the Mimaki website.

JV400LX SERIES SPECIFICATIONS | INKS

Item		Specifications	
Print Head		On-demand piezo head (2 inline print heads)	
Print Speed (1200x900, 6pass, Bi Hi)		4-color: 196 sqft/hr	
Print Resolution		600, 900, 1200 dpi	
Ink	Type	Latex: LX101 (C, M, Y, K, Gr, Or) LX100 (W)	
	Ink Supply System	600 ml ink pack; W - 220 ml cartridge	
	Ink Circulation System	Mimaki Circulation Technology (MCT) for White ink only	
Maximum Print Width		JV400-130LX: 53.6 in. (1,361 mm)	JV400-160LX: 63.4 in. (1,610 mm)
Media	Maximum Width	JV400-130LX: 54 in. (1,371 mm)	JV400-160LX: 63.8 in. (1,620 mm)
	Roll Weight	55 lb. (25 kg) or less	
	Roll Diameter	7.1 in. (180 mm) or less	
	Inside Roll Diameter	2 in. - 3 in.	
	Print Aspect	Inside / Outside	
	Cutter	Y-direction cutter after head section	
Drying Device		3-Way Intelligent Heater (pre/print/post), 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% (Automated voltage conversion)	
Power Consumption		1440W x 2 or less (100-120V) 1800W x 2 or less (220-240V)	
Operational Environment		Temperature: 68°F - 86°F	
		Humidity: 35% - 65% Rh (non-condensing)	
Dimensions (W×D×H)		JV400-130LX: 103.5" x 33.7" x 56.4"	JV400-160LX: 113.5" x 33.7" x 56.4"
Weight		JV400-130LX: 476 lb.	JV400-160LX: 509 lb.

Item	Color	600ml Pack*
LX101 Latex	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 Cartridge Only
Eco Cartridge		OPT-J0237 – 8 cartridges

*6600 ml Ink Pack require Eco Cartridge (OPT-J0237). Eco Cartridges can be used repeatedly by replacing ink packs.



Some of the samples in this brochure are artificial renderings. Specifications, design and dimensions stated may be subject to change without notice (for technical improvements, etc.)

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Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to another due to slight individual differences.



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