

Newly-developed RIP software with the combination of usability and high performance of standard accessory

RasterLink6 PLUS

Intuitive and user-friendly



Necessary information is integrated on one screen: Printer status, rip process, job status etc. at a glance. Operation involving multiple jobs such as the imposition of images and the composition of jobs is clearly displayed on the screen.



Simply select the icon displaying the job you want to do. Just click the icon to quickly navigate to the desired screen. Once registering frequent-use settings to the [Favorite], you will have an easy setting for the next with just calling it from the [Favorite].

Web update function is supported

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

Specifications

Item	JV400-130/160LX
Printhead	On-demand Piezo head (2 in-line printheads)
Maximum width	1,361mm (53.6") / 1,610mm (63.4")
Print resolution	600, 900, 1,200dpi
Print speed	Draft 18.2m ² /h (1,200x900dpi, 6pass, bi-directional, 4 color) Standard 11.0m ² /h (900x900dpi, 12pass, bi-directional, 4 color)
Ink	Latex ink LX101 4 color (C,M,Y,K) / 7 color (C,M,Y,K,Or,G,W)
Ink supply system	600 ml ink pack (White ink is provided in 220 ml ink cartridge)
Media	Up to 1,371mm (54.0") / 1,620mm (63.8") Weight Up to 25kg (55.1 lbs) Roll diameter Up to φ 180mm (7.1") Inside roll diameter 2 or 3 inches Print aspect Inside / outside Cutter Y-direction cutter is installed to the printhead unit
Drying device	3 way intelligent heater (Pre/Print/Post) Ventilation fan unit, Drying heater
Media Take-up device	Roll take-up device, inside/outside selectable
Interface	USB2.0
Certifications	VCCI class A, FCC class A, UL 60950-1 CE Marking (EMC, Low voltage and Machinery directive), CB Report
Power supply	AC 100~240V±10%
Power consumption	100 - 120V 1,440W × 2 220 - 240V 1,800W × 2
Operational environment	Temperature: 20°C-30°C (68-86 °F); Humidity: 35-65 % RH (non condensing)
Dimensions (W×D×H)	2,634×854×1,435mm / 2,879×854×1,435mm
Weight	216kg (476 lbs.) / 231kg (509 lbs.)

Eco-cartridge method

Eco-cartridges can be used repeatedly by changing spent ink packs.



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 ink cartridge / for daily maintenance
Flushing liquid 03	FL003-Z-22	220ml ink cartridge / for ink flow path and head cleaning
Flushing liquid kit for maintenance of latex ink	ML001-Z-K1	200ml bottle, dropper x 2, gloves x 6, cotton swabs
Cutter blade Assy	SPA-0107	1 pc
Waste ink bottle (2L)	SPA-0117	1 pc
Wiper kit 400	SPA-0184	10 sets
C absorber kit	SPA-0185	3 sets
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). Eco cartridges can be used repeatedly by replacing ink packs.
* LX101 ink has no White, please use LX100 white ink.

Media

Item	Item No.	Width (mm)	Length (m)	Application
Poster paper LX	MS-126-137-61	1,370	61	Indoor poster, POP
Transparent film for illuminated signage LX	MS-140-130-30	1,300	30	Illuminated signage (Mounting on acrylic board)
Transparent self adhesive film LX	MS-150-124-10	1,240	20	Window decoration, Protect film for mobile phones
Heat transfer rubber sheet D	SPC-0581	610	20	Heat press rubber sheet for fiber cloth
Glossy white PVC	SPC-0706	620 - 1,370	30 - 50	Indoor/Outdoor signage
Matte white PVC	SPC-0707	1,370	30 - 50	Indoor/Outdoor signage
Glossy white PVC A (Adhesion strength increases over time)	SPC-0708	1,150 - 1,370	30 - 50	Fleet marking
Efficient glossy white PVC	SPC-0709	1,370	30	Indoor/Outdoor signage / Air bubble free
White PVC-137 for illuminated signage	SPC-0711	1,370	30	Illuminated signage (Mounting on acrylic board)
Transparent PVC	SPC-0712	1,370	30	Indoor/Outdoor signage
PWS-G	MS-180-137-50	1,370	50	Indoor/Outdoor signage
PWS-M	MS-180-137-50	1,370	50	Indoor/Outdoor signage

●Some examples shown in this catalog are artificial renderings. ●Specifications, designs and dimensions shown in this catalog may be subject to change without notice for technical improvements. ●The corporate and merchandise names in this catalog are the trademarks or registered trademarks of the respective corporations. ●Inkjet printers use extremely fine dots, so colors may vary slightly after replacement of print heads. ●Also note that when using multiple printer units, colors could vary slightly from one unit to another due to slight individual differences. ●Please note that descriptions and data in this catalog are as of July 2022.

Mimaki MIMAKI ENGINEERING CO., LTD.
2182-3 Shigeno-otsu, Tomi-city, Nagano 389-0512, Japan
Tel: +81-268-64-2281

Mimaki Global Network

USA	MIMAKI USA, INC.	Europe	MIMAKI EUROPE B.V.
Brazil	MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA	Indonesia	PT. MIMAKI INDONESIA
India	MIMAKI INDIA PRIVATE LIMITED	Australia	MIMAKI AUSTRALIA PTY. LTD.
Taiwan	MIMAKI ENGINEERING (TAIWAN) CO.,LTD.	China	SHANGHAI MIMAKI TRADING CO.,LTD.
Singapore	MIMAKI SINGAPORE PTE. LTD.	Thailand	MIMAKI (THAILAND) CO.,LTD.

<Latex Ink Model> Wide Format Inkjet Printer

JV400 Series

JV400-130LX / JV400-160LX

Mimaki

Product Brochure

The advanced
Mimaki latex ink
is the reason



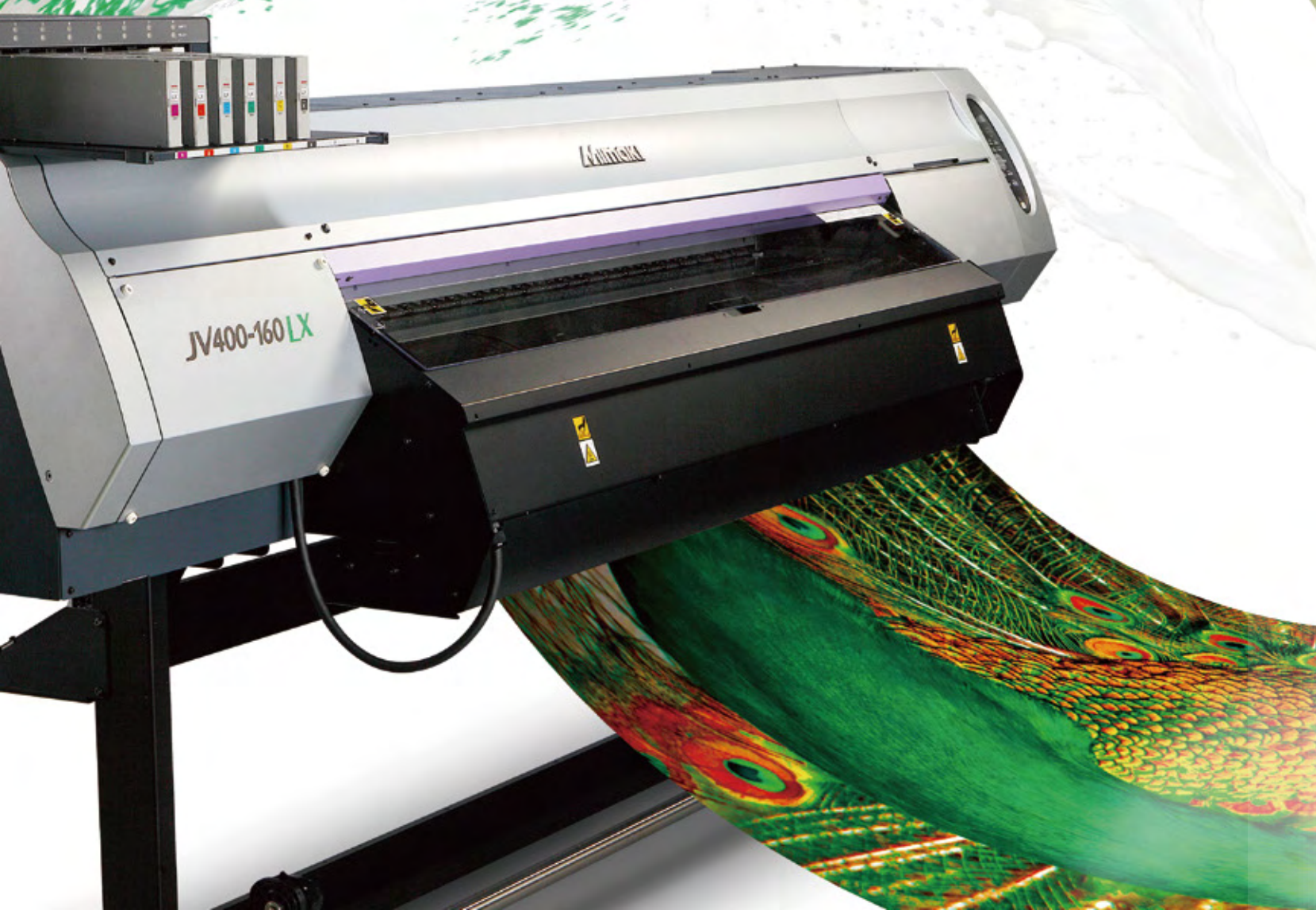
Mimaki
Green Technology



Advanced Mimaki Latex



MIMAKI Six-color Process Printing + White



For signage, posters, color proofing and more....
JV400LX meets a wide range of applications.

- merit 1** JV400LX can print on media which is for solvent ink, such as PVC, banner material and other signage media. Therefore, the smooth shift to latex printer from solvent printer is possible.
- merit 2** Media which has an ink receptive layer is relatively expensive. JV400LX accepts many types of printing media including affordable, non-treated ones such as poster paper, temporal wall paper for decoration and so on.
- merit 3** Direct printing on product packages and labels is achieved by DDCP*. Highly realistic product samples make business presentations much more impressive and expand business opportunities. * Direct Digital Color Proofing

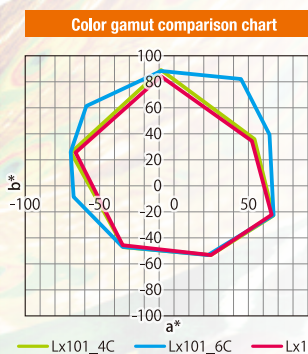
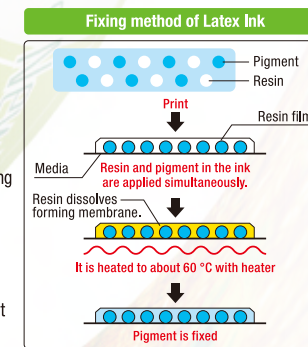
Eco-friendly multifunctional water-based ink World's First latex white ink

Excellent usage for outdoor and indoor applications

Latex ink fixes pigment on media because resin contained in the ink dissolves with the heat, forming a membrane.
 Latex ink can be output on PVC film, banner material, backlit, bluebacked paper, indispensable for sign making and on most media that are currently used in eco-solvent machines.
 Moreover, non-coated media without an acceptance layer, such as paper and textile, can be printed as well. This excellent media compatibility is very attractive as it supports new applications and can expand future print business.

Wide gamut is achieved

LX101 ink covers 93% of approximate Pantone color chart with high reproducibility of color gamut that cannot be achieved by 4 color printing. Taking advantage of high color reproducibility, an application range is widely extended to POP/posters for company logos and proofing of package designs that are mostly specially designed.



- **Wider color gamut by newly added orange and green inks.***
- **Clear and defined printing results due to the improved black ink density.**
- **Improved print vibrance on most media.**

* Supported by Raster Link 6 Ver.1.4 and later.

The World's First White Latex Ink

White ink helps retain the natural vividness of colors by being used as a base to print on transparent or colored materials. It is very effective in the creation of clear film window graphics etc.

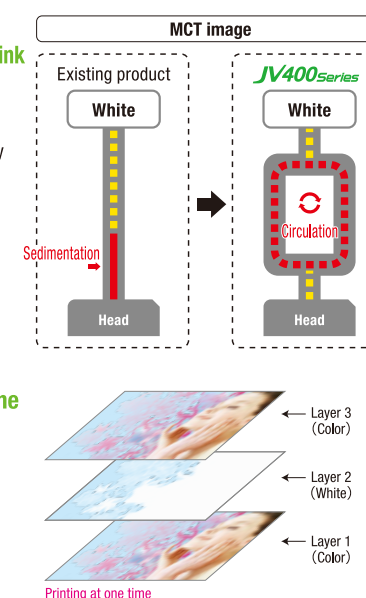
Ink circulation, Eco-friendly & economical applications of white ink

MCT (*) to regularly circulate white ink is standard equipment. It enables stable output from the startup time by effectively avoiding the settling of white pigment in the ink lines. In addition, MCT contributes to reduction of ink waste, thereby supporting environmentally and economically friendly applications.

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

Three-layer printing at one time

A three-layer printing of color, white and color can be performed at one time. The underlay printing of a base layer of white ink allows reproduction of the natural beauty of colors printed on transparent media in perfect registration.



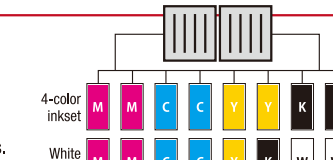
No drying time, Immediate secondary processing

Mimaki Latex ink is fixed and cured right after printing, therefore it is not necessary to care about drying time. After printing, the secondary processing, such as lamination, can be performed, dramatically increasing time and efficiency.



Top ranking print speed

In order to achieve faster printing speed, two newly-developed print heads are set in-line. The new print head has four nozzle lines and one line has 320 nozzles.



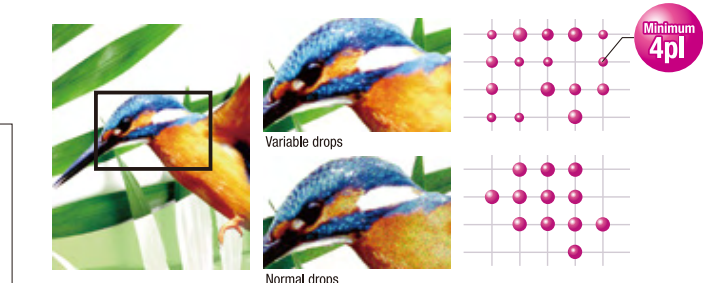
Print speed

4-color inkset	m/h	0	5	10	15	20mi/h
Draft 1200 x 900dpi, 6p, Bi					18.2m/h	17.1m/h
High speed 1200 x 1200dpi, 8p, Bi					13.8m/h	13.0m/h
Standard 900 x 900dpi, 12p, Bi, Hi					11.0m/h	10.3m/h
High quality 1200 x 1200dpi, 16p, Bi, Hi					6.6m/h	6.3m/h
					-160	-130
7-color inkset	m/h	0	5	10	15	20mi/h
Draft 1200 x 900dpi, 12p, Bi					9.1mi/h	8.7mi/h
High speed 1200 x 1200dpi, 16p, Bi					7.0mi/h	6.6mi/h
Standard 900 x 900dpi, 24p, Bi, Hi					5.6mi/h	5.1mi/h
High quality 1200 x 1200dpi, 32p, Bi, Hi					3.3mi/h	3.2mi/h
					-160	-130

*Print speed of white ink(Standard mode): 1 layer (White ink only) 3.3m/h, 2 layer (White+ Color) 1.9m/h, 3 layer (Color+White+Color) 1.4m/h

High quality prints are made available by advanced technology

Variable drops function provides 3 different drop sizes at once. The minimum size is amazingly small 4 pico-litter drop and produces smooth and natural gradation, without granular appearance even in the 4-color mode.



Fail-safe features for continuous operation

Nozzle Recovery Function

Even when the nozzle cleaning does not work on clogged nozzle, the image quality can be recovered temporarily. With this system, the continuous printing without losing image quality is possible, while the conventional printers have to stop printing and wait for the arrival of service person.

* Nozzle Recovery Function is a temporal "failure averting function" to continue operation, and its recoverability is limited

