

BIG THINGS COME IN SMALL PACKAGES

The Mimaki JFX200-2513
flatbed UV-LED printer.

JFX200-2513



Low temperature UV-LED curing.

Energy efficient.

Reduced VOCs.

4' x 8' flatbed area.

LUS150 UV Ink • C M Y K + W

LH-100 UV Ink • C M Y K + W + C

Up to 1200 dpi

SIGN & GRAPHICS

Mimaki[™]

MIDWEST
Sign & Screen Printing Supply Co.



Application versatility offers a wider variety of media choices.

The capability to print on media and substrates up to 1.9" thick, along with a 4' x 8' bed size, allows for a diverse range of printing options. UV inks are durable in both indoor and outdoor conditions and offer a high level of abrasion resistance.

The Mimaki JFX200 printer is ideally suited for applications such as backlit films, signs & displays, interior decor, glass, metal and much more.



Smaller footprint. Bigger possibilities

The JFX200-2513 printer introduces a smaller footprint flatbed design with a 4' x 8' landscape print mode and bed size small enough to fit in most sign and graphic print shops. Access to the operation panel, ink delivery system and vacuum adjustment controls are easily accessible from the front of the printer. The JFX200 is fitted with the latest UV-LED lamp curing technology and features a unique ink delivery system that further increases the flexibility you expect in a new generation UV cure flatbed printer.



Vacuum table unit

The vacuum table is easily controlled with ON/OFF switches located in the the front area of the printer. The two toggle switches separately control each of the two vacuum partitions that facilitate secure and accurate media positioning.



Bulk ink supply system

With Mimaki's newly developed ink supply system, 1-liter bottles of UV ink are easily and quickly inserted and removed from the front of the printer. The system accommodates up to 8 bottles of ink for CMYKx2 or CMYK+W+C and UV Primer ink.

es.



Compact footprint for installation and usage

The JFX200's smaller size allows for usage in many smaller print facilities and shops.



Second CMYK layer



First WHITE layer



Two-layer print function

Printing separate layers of both white and CMYK color allows for faster printing on clear and transparent substrates.



Direct to media/substrate printing

The JFX200 is capable of handling all types of media and substrates including acrylics, foam board, corrugated plastics, metal – almost any media up to 1.9" thick.



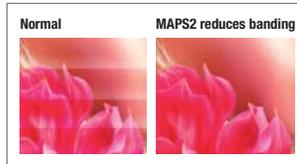
Low power, long life UV-LED curing lamps

The UV-LED curing unit of the JFX200 has an exceptionally long life, lower power consumption and reduced heat output. It is ideal for printing on media that is vulnerable to thermal deformation or color change. Its low VOC output doesn't require special workplace ventilation.

High quality printing

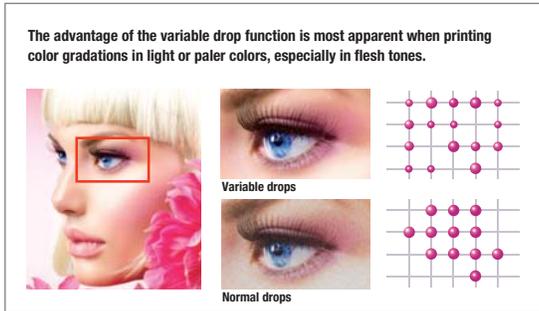
MAPS2 effectively reduces the appearance of banding.

MAPS2 (Mimaki Advanced Pass System 2) applies ink in gradations over several passes using a mask pattern that greatly reduces image banding. Immediate UV-LED curing also benefits banding reduction.



Smooth, high definition color is achieved with variable dot printing.

The variable drop function allows for the output of three different drop sizes that produce a smoother, more natural gradation without the granular appearance seen in normal dot printing.



The JFX200 utilizes the perfect UV ink for any material and application.

LUS-150* is a flexible UV ink that is resistant to post-curing cracking.



A lower cost UV curable ink with 1.5 times the flexibility of conventional UV ink. The cured ink film is less tacky yet still resistant to cracking even with secondary processing.

LH-100 is a hard UV ink that is impervious to scratching when cured.



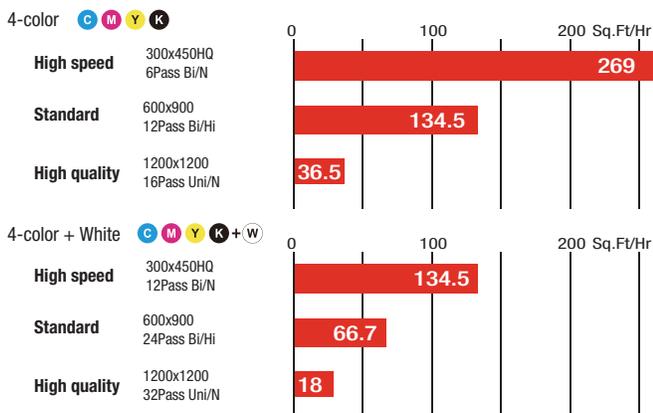
This advanced UV curable ink produces a hard ink film that is highly resistant to scratches and chemicals while providing excellent color reproducibility. Perfect for applications that require no secondary processing such as bending, twisting, etc.

PR-100 is a special undercoat primer UV ink for use on substrates such as glass and metals that may not readily accept UV ink. UV primer ink is transparent, letting the texture and quality of the substrate through. It can be flood or spot applied.

**The amount of flexibility exhibited by LUS-150 may differ depending on the type of print media used. It is advised to test the media before proceeding with a full print job.*

Print speed

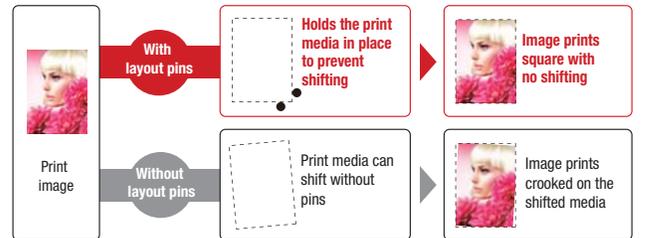
Print up to eight, full coverage 4' x 8' panels per hour.



Ease of operation

Flatbed layout pins facilitate exact media positioning.

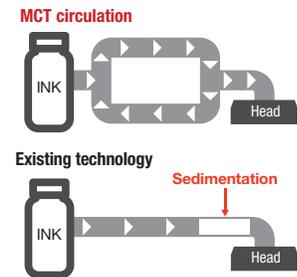
Users previously had to be extremely diligent in lining up the position of media when placing it on the flatbed of the printer to ensure that the media is correctly aligned. The JFX200 printer is now equipped with layout pins and a scale designed to help resolve alignment issues. The layout pins square up and secure the print media in place, preventing it from shifting when the flatbed vacuum is engaged. The edge flatbed scale is used to check the positioning of the print media before final printer settings are made.



Ease of maintenance

Mimaki Circulation Technology (MCT) for improved white ink imaging.

The settling of white pigment in the ink lines is a common problem when printing with white ink. The JFX200 utilizes MCT which eliminates this settling by regularly circulating the white ink. MCT enables stable white ink output from job startup through finish thereby reducing ink waste and downtime to clear settled ink.



Nozzle Recovery Function allows for continuous operation.

Even when nozzle washing has no effect on a malfunctioning nozzle and the nozzle is removed or taken offline, the Nozzle Recovery Function allows the recovery of the print quality and the continuation of printing.

With Nozzle Recovery Function



Without Nozzle Recovery Function



Eco-friendly features



The JFX200 is environmentally friendly. UV curable inks produce very few VOCs (volatile organic compounds), no ozone, and very little odor that would otherwise require separate ventilation equipment.

New RIP maximizes the performance of the JFX200-2513

RASTER LINK 6 Bundled item

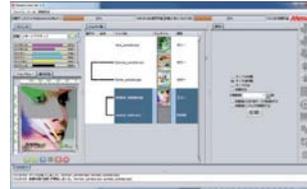
Mimaki's newest RIP software provides the JFX200 with a multitude of user-friendly features and functions.



Easy to follow icons enable intuitive operation.



A "related settings" feature streamlines RIP operations with the ability to save often used layouts and settings in the "Register as Favorites" option.



Printing progress can be monitored on the main screen.

- Layered printing can be performed in a single pass. Perfect for transparent media where an image may be viewed from two sides or for white and primer underprinting.
- Several profiles that match conditions can be simultaneously printed. This is useful for testing profiles without printing multiple prints.
- Program updates and profile downloads via the Mimaki website.

JFX200-2513 Specifications

Item	Specifications	
Head	On-demand Piezo head (Array of 2 heads stagger)	
Diagram resolution	300, 450, 600, 900, 1,200dpi	
Ink	Type	UV curable ink: LUS-150 (C, M, Y, K, W)
		UV curable ink: LH-100 (C, M, Y, K, W, Cl)
	Ink supply system	Supplied from 1-liter bottles for each color
	Ink circulation system ¹	White ink circulation using Mimaki Circulation Technology (MCT)
Inkjet primer	PR-100	
Maximum diagram dimensions (WxD)	98.4" x 51"	
Media	Dimensions (WxD)	98.4" x 51"
	Height	1.9"
Media absorption	Weight	10.2 lb per square foot, non concentrated load
	Media absorption	Absorption fixed through use of a vacuum
Range accuracy	Number of absorption area partitions	2 partitions (X-axis direction)
	Absolute accuracy	±0.01 in. or ±0.3% of the specified range, whichever is larger
UV device	Reproducibility	±0.008 in. or ±0.1% of the specified range, whichever is larger
	Standard service life ²	UV-LED system Over 5,000 hours
Interface	USB2.0	
Safety standard	VCCI class A, CE Marking, CB Report, UL (U.S. safety organization), RoHS directive, UL 60950-1, FCC class A	
Input power supply	Single phase, 200 V AC-240 V AC, 50 Hz/60 Hz, up to 15 A	
Power consumption	Up to 3.6 kVA	
Installation environment	Temperature	59°F - 86°F
	Relative humidity	35% - 65% RH
	Accuracy maintained temperature	64.4°F - 77°F
	Temperature gradient	Up to ±18F/h
Dimensions (WxDxH)	173.2" x 96.4" x 49.2"	
Weight	1389 lb	

1 - MCT works only with white ink. 2 - The standard service life times listed are estimates and do not guarantee the operation.

Supplies

Item	Color	Item No.	Remarks
LUS-150	Cyan	LUS15-C-BA	Volume per bottle: 1 L
	Magenta	LUS15-M-BA	
	Yellow	LUS15-Y-BA	
	Black	LUS15-K-BA	
	White	LUS15-W-BA	
LH-100	Cyan	LH100-C-BA	
	Magenta	LH100-M-BA	
	Yellow	LH100-Y-BA	
	Black	LH100-K-BA	
	White	LH100-W-BA	
	Clear	LH100-CL-BA	
Inkjet Primer (PR-100)		TBD	
Tungsten replacement needle for ionizer		SPA-0208	4 pcs
Air filter kit		SPA-0209	10 sets
2-liter ink bottle		SPA-0210	1 pc (Empty bottle)

- Ink and inkjet primer are sold in 1-L bottle. Replace it with the old bottle in the ink station when needed.
- The amount of flexibility exhibited by LUS-150 ink may differ depending on the texture of the print media used. Try out the ink on a test page before proceeding with a full print job.
- Printing with LH-100 may not allow the full speed capabilities of the printer to be utilized.

Optional Accessories

Item	Item No.	Remarks
Ionizer kit	OPT-J0322	Static eliminator kit
Vacuum unit (φ 3 mm x 200 mm (φ 0.1 in. x 7.9 in.))	OPT-J0216	Three-phase, 200 V-240 V, 30 A, 3.4 kW
Vacuum unit (φ 1 mm x 200 mm (φ 0.04 in. x 7.9 in.))	OPT-J0217	Single-phase, 200 V-240 V, 30 A, 1.9 kW
Vacuum unit (φ 3 mm x 400 mm (φ 0.1 in. x 15.7 in.))	OPT-J0232	Three-phase, 380 V-480 V, 20 A, 3.4 kW
Optional blower connector kit	OPT-J0330	

- If the vacuum unit that comes supplied with the printer does not have enough suction power, please purchase a different vacuum unit with optional settings.
- The optional blower connector kit (OPT-J0330) sold separately is needed to connect a vacuum unit with optional settings to the JFX200-2513.
- Vacuum units also require their own power supply line separate from that for the printer itself.

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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