

## JFX200 features-at-a-glance

- Print resolutions up to 1200 dpi
- Print speeds up to 269 sqft/hr\* in CMYK
- Economical 2-liter, 8 reservoir Ink Station
- UV-LED curing with CMYK plus white and clear – 2 ink sets plus primer available
- Equipped with Mimaki's Intelligent Microstepping System for extremely accurate imaging
- Maximum media size: 98.4" x 51" x 1.9" thick

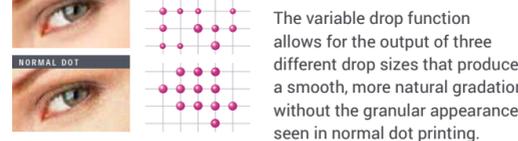
### HIGH UV-LED QUALITY

#### 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 JFX200 printer utilizes the perfect UV ink for any substrate and application.

**LUS-150** 1.5 times more flexible\*\* than standard UV ink, this high-speed ink is less tacky when cured yet still resistant to cracking, even with secondary processing.



**LH-100** This advanced UV 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 or twisting.



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

\*UV inks will not properly cure when printing speed is faster than that of Draft Mode.  
\*\*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.

### 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 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

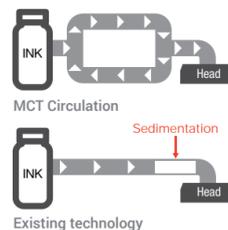


edge flatbed scale is used to check the positioning of the print media before final printer settings are made.

### 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 printer utilizes MCT that 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 enables continuous operation.

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 FEATURES

#### Mimaki Green Technology

The JFX200 printer 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.

## RasterLink6

### Intuitive and user-friendly operation



Easy-to-follow icons enable intuitive, user-friendly operations and easy monitoring of printing progress.

### JFX200-2513 SERIES SPECIFICATIONS | INKS

Item	Specifications	
Head	On-demand Piezo head (Array of 2 staggered heads)	
Diagram resolution	300, 450, 600, 900, 1,200 dpi	
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 <sup>1</sup>	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
		Absorption fixed through use of a vacuum
Range accuracy	Absolute accuracy	±0.01 in. or ±0.3% of the specified range, whichever is larger
	Reproducibility	±0.008 in. or ±0.1% of the specified range, whichever is larger
UV device		UV-LED system
	Standard service life <sup>2</sup>	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 kW
	Temperature	59°F - 86°F
	Relative humidity	35% - 65% RH
Installation environment	Accuracy maintained temperature	64.4°F - 77°F
	Temperature gradient	Up to ±18F/h
	Dust	Similar to standard office environments
Install Dimensions (WxDxH)	173.2" x 88.5" x 49.2"	
Assembled Dimensions (WxDxH)	173.2" x 96.4" x 49.2"	
Weight	1433 lb.	

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



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### 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.

Item	Color	Item No.	Remarks
LUS-150	Cyan	LUS15-C-BA	
	Magenta	LUS15-M-BA	
	Yellow	LUS15-Y-BA	
	Black	LUS15-K-BA	
	White	LUS15-W-BA	
LH-100	Cyan	LH100-C-BA	Volume per bottle: 1 L
	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 bottles for direct insertion into the Ink Station.
- 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.

Note: UV inks will not properly cure when printing speed is faster than that of Draft Mode.

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.

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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## Mimaki JFX200-2513 Flatbed Printer

UV-LED 4' x 8' landscape flatbed printer for all types of rigid media, signage and displays





COROPLAST SIGNS



P.O.P. DISPLAYS



WALL DECÓR

## 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.



GLASS PANELS

BACKLIT SIGNAGE

## Smaller footprint. Bigger possibilities.

The Mimaki 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. The operation panel, ink delivery system and vacuum adjustment controls are easily accessible from the front of the printer. The JFX200 printer 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.



### COMPACT FOOTPRINT

The JFX200 printer'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 enables faster printing on clear and transparent substrates.



### VACUUM TABLE UNIT

The vacuum table is easily controlled with ON/OFF switches located at the front 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.



### DIRECT TO MEDIA/SUBSTRATE PRINTING

The JFX200 printer 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.