Clear Ink

Using clear ink will enhance your design

Clear ink will give a more beautiful glossy finish to realize highly value-added enhanced design. By outputting clear ink and color ink at the same time, the productivity will not be affected during printing. Our new technology "MCC*" has cleared off the surface dust contamination on the installation site when using clear ink.

*MCC = Mimaki Clear Control

A glossy touch can be added with clear ink even on a part of an image as well as entirely on the whole surface.

Printing with a partial glossy touch

Using clear ink partially will add a highly appealing glossy touch on your print. Partial glossy printing will make food look much fresher and add an extra touch of class to your print.

Glossy printing on the whole surface

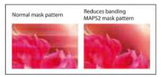
Using clear ink entirely will make your print exclusively luxurious. Glossy printing on the whole surface opens the door to really appealing sign and graphic making.

High Quality Print

MAPS2: Mask pattern that works to effectively reduce banding

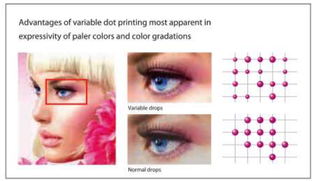
MAPS2(*) is equipped to effectively curb banding. Printing applies ink while controlling the dot density to add a gradational tone effect, which works to make banding less visible. The normal mask pattern is also available, so you can select an optimal pattern that matches with the particular material and application.

*MAPS2 = Mimaki Advanced Pass System 2



Smooth and beautiful color gradations are made available by Mimaki's original head control technology

Variable drops function provides 3 different drop sizes at once. It produces smooth and natural gradation, without granular appearance even in the 4-color mode.



The perfect UV ink for each material and application

Various UV-curable ink types to satisfy a wide range of application needs.
A user can choose an optimum ink depending on materials.

Type	Rigid UV-curable ink	Stretchable UV-curable ink			
Product name	LH-100	LUS-120	LUS-150	LUS-200	LUS-350
Color	*Compatible primer: PR-100 or PR-200		*Compatible clear ink (CI): LH-100 ink (Clear) Compatible primer: PR-100 or PR-200		
Features	The LH-100 ink has a high stretchability after curing and an accurate color reproducibility. This ink is suitable for rigid materials.	The LUS-120 ink has 170% stretchability after curing. Its ink film is very flexible and will not crack during post print processes.	The LUS-150 ink has 150% stretchability after curing. It does not crack during post print processes. This ink is compatible with a wide range of materials and has a low degree of tackiness.	The LUS-200 ink has 200% stretchability after curing. The ink film retains the print quality, and will not crack even when printed materials are bent or stretched during post print processes.	After curing, the LUS-350 ink can stretch up to 350% when heated to between 120 and 200°C. The ink restores its rigidity after cooling to room temperature, while maintaining its molded shape and durability.

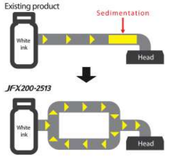
* Optional kit – OPT-J0393:PR100/200KIT FOR JFX200 – is required for using a primer (PR-100/PR-200).
* Stretchability of each stretchable ink may vary depending on materials, please test on actual materials in advance.

Easy Maintenance

MCT: Mimaki Circulation Technology for White Ink

MCT to effectively avoid the settling of white pigment in the ink lines by regularly circulating white ink is standard equipment. It prevents any print troubles and enables stable output from the startup time. In addition, MCT contributes to reduction of ink waste, thereby supporting environmentally and economically friendly applications.

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



Nozzle Recovery Function for continuous operation

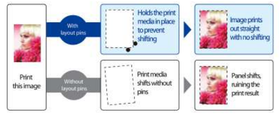
When print troubles occurred due to clogged nozzle and even the nozzle cleaning does not work, the conventional printer have to stop printing and wait for the arrival of service person. With Nozzle Recovery Function, the continuous printing is possible by recovering the image quality without slowing down the speed even if a nozzle is removed or taken offline.

*Recoverability of Nozzle Recovery Function is limited.

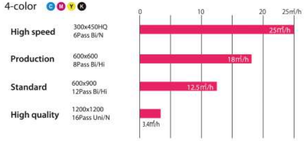
Easy Operations

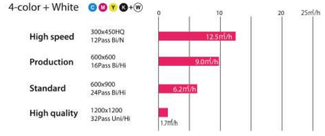
Layout pins for exact positioning

Users previously had to be extremely diligent in lining up the position of print media when placing it on the flatbed of the printer to ensure that the media is not tilted compared to the print surface and that the origin is centered correctly. This printer is now equipped with layout pins and a scale designed to help resolve these issues. The layout pins work to secure the print media in place to prevent it from shifting and the scale used to check the position of the print media before printer settings are made, allowing images to be printed without shifting.



Print Speed





Specifications

Item		Specifications
		JFX200-2513
Head		On-demand Piezo head (Array of 2 heads stagger)
Diagram resolution		300, 450, 600, 900, 1,200dpi
Ink	Type	Rigid UV curable ink: LH-100 Stretchable UV curable ink: LUS-120, LUS-150, LUS-200 and LUS-350
	Ink supply system	Supplied from 1-liter bottles for each color
	Ink circulation system*1	White ink circulation using Mimaki Circulation Technology (MCT)
Maximum diagram dimensions (W×D)		2,500 × 1,300 mm
Media	Dimensions (W×D)	2,500 × 1,300 mm
	Height	50 mm
	Weight	50 kg/m² (10.2 lb./ft2), non concentrated load
Media fixation method		Absorption fixed through use of a vacuum
Range accuracy	Number of vacuuming area	2 partitions (X-axis direction)
	Absolute accuracy	±0.3 mm (± 0.01 in.) or ±0.3% of the specified range, whichever is larger
	Reproducibility	±0.2 mm (± 0.008 in.) or ±0.1% of the specified range, whichever is larger
UV device		LED-UV system
	Standard service life*2	Over 5,000 hours
Interface		USB2.0
Certifications		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 12 A
Power consumption		Up to 2.88 kVA
Installation environment	Temperature	15°C-30°C (59°F-86°F)
	Relative humidity	35%-65% RH
	Accuracy maintained temperature	18°C-25°C (64.4°F-77°F)
	Temperature gradient	Up to ±10°C/h (±18F/h)
	Dust	Similar to standard office environments
Install Dimensions (W×D×H)		4,400×2,250×1,250 mm (173.2×88.5×49.2")
Assembled Dimensions (W×D×H)		4,400×2,450×1,250 mm (173.2×96.4×49.2")
Weight		650 kg

*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
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	
LUS-120	Cyan	LUS12-C-BA	
	Magenta	LUS12-M-BA	
	Yellow	LUS12-Y-BA	
	Black	LUS12-K-BA	
	White	LUS12-W-BA	
	Clear	LUS12-CL-BA	
LUS-150	Cyan	LUS15-C-BA	
	Magenta	LUS15-M-BA	
	Yellow	LUS15-Y-BA	
	Black	LUS15-K-BA	Ink Package: 1L botttle
	Light Cyan	LUS15-LC-BA	
	Light Magenta	LUS15-LM-BA	
	White	LUS15-W-BA	
LUS-200	Cyan	LUS20-C-BA	
	Magenta	LUS20-M-BA	
	Yellow	LUS20-Y-BA	
	Black	LUS20-K-BA	
	White	LUS20-W-BA	
LUS-350	Cyan	LUS35-C-BA	
	Magenta	LUS35-M-BA	
	Yellow	LUS35-Y-BA	
	Black	LUS35-K-BA	
	White	LUS35-W-BA	
	Clear	LUS35-CL-BA	
Primer	PR-100	PR100-Z-BA	
	PR-200	PR200-Z-BA	
Tungsten replacement needle for ionizer		SPA-0208	4 pieces
Air filter kit		SPA-0211	10 sets

* Stretchability of flexible ink may vary depending on materials, please have an prior test print.
* LH-100, LUS-120, LUS-150 and LUS-200 are GREENGUARD Gold certification ink.

Software

Newly developed RIP software compatible with excellent user-friendliness and higher functionality

RasterLink6

Beautiful and advanced print realization by the simple and intuitive operation with useful icons and layout
Enriched expressiveness with various functions including color replacement

<Supports Web update function>

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

Optional Accessories

Item	Item No.	Remarks
Ionizer kit	OPT-J0342	Static eliminator kit
Vacuum unit (φ 3 mm × 200 mm (φ 0.1 in. × 7.9 in.))	OPT-J0216	Three-phase, 200 V-240 V, 30 A, 3.4 kW
Vacuum unit (φ 1 mm × 200 mm (φ 0.04 in. × 7.9 in.))	OPT-J0217	Single-phase, 200 V-240 V, 30 A, 1.9 kW
Vacuum unit (φ 3 mm × 400 mm (φ 0.1 in. × 15.7 in.))	OPT-J0232	Three-phase, 380 V-480 V, 20 A, 3.4 kW
Optional blower connector kit	OPT-J0348	Necessary kit for connecting an optional vacuum unit.
PR100/200KIT for JFX200	OPT-J0393	Necessary kit for using a primer (PR-100/PR-200)

* If the vacuum unit that comes with the printer does not have enough suction power, please use an optional vacuum unit. When installing the optional vacuum unit, an optional blower connector kit (OPT-J0348) is also required to connect the vacuum unit to the printer.
* Vacuum units also require their own power supply line separate from that for the printer itself.

Inks and substrates:

- As physical properties of ink (adhesion, weather resistance etc.) are different depending on media, please be sure to have a print test in advance.
- Depending on the application, primers, other surface treatment or surface protection such as lamination may be necessary.

Safety notice:

This product is equipped with UV irradiation equipment.
Please pay attention to the following notes in order to use safely.

- Do not look directly into the UV light source nor place your hand, or expose your skin directly to the UV light source.
- Depending upon print mode, there might occur some VOC emittance from printed parts not yet cured and hardened.
- In addition, please be sure to read the instructions and guidelines of the manual carefully to follow.

●Some of sample images in this catalogue are artificial renderings.●Specifications, design and dimensions stated in this catalogue may be subject to change without notice for technical improvements etc. ●The corporate names and merchandise names written in this catalogue are the trademark or registered trademark of the respective corporations.●Inkjet printers print using extremely fine dots, so colors may very slightly vary after replacement of print heads.●Also note that if using multiple printer units,colors could vary slightly from one unit to other(s) due to slight individual differences.●Please note that descriptions and data in this catalogue are as of May 2018.

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JFX200-2513

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