

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.

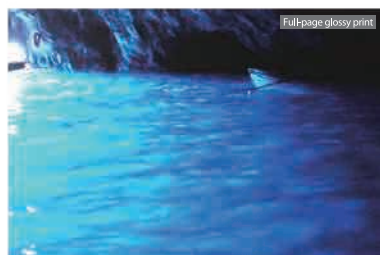
Printing with a partial glossy touch

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.

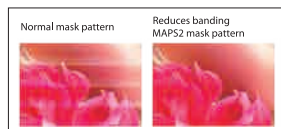


High Quality Print

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 gradual 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.

Advantages of variable dot printing most apparent in expressivity of paler colors and color gradations



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	●●●●●●●●●●●	●●●●●●●●●●●	●●●●●●●●●●●	●●●●●●●●●●●	●●●●●●●●●●●					
Features	The LH-100 ink has a high accuracy/chemical resistance 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 and will 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 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.					

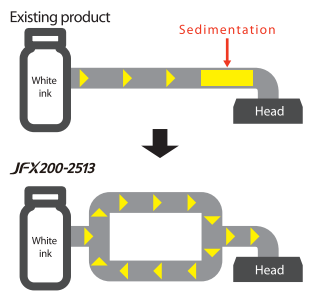
* Optional kit = OPT-J0393/PR100/200KIT FOR JFX200 - is required for using a primer (PR-100/PR-200).
* Stretchability of each stretchable ink may vary depending on materials, please test on actual materials in advance.

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.

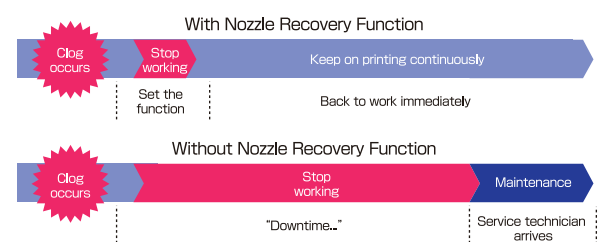
*MCT works only with white ink. (MCT = Mimaki Circulation Technology)



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.

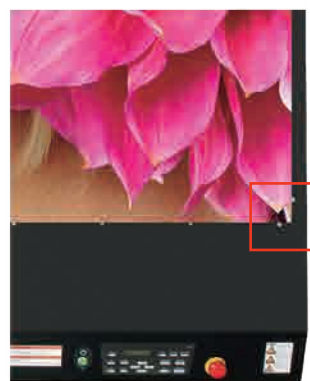
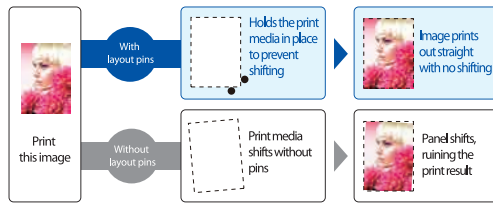
*Recoverability of Nozzle Recovery Function is limited.



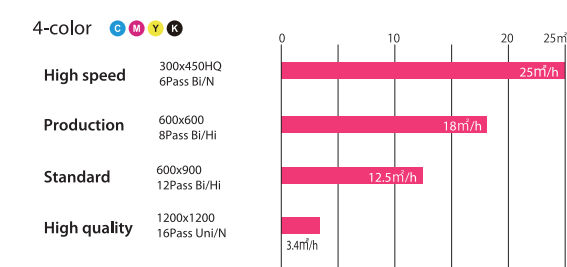
Easy Operations

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	
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
	Ink supply system	Stretchable UV curable ink: LUS-120, LUS-150, LUS-200 and LUS-350
	Ink circulation system ¹⁾	Supplied from 1-liter bottles for each color
Maximum diagram dimensions (WxD)	Using Mimaki Circulation Technology (MCT)	White ink circulation using Mimaki Circulation Technology (MCT)
	2,500 x 1,300 mm	
Media	Dimensions (WxD)	2,500 x 1,300 mm
	Height	50 mm
Media fixation method	Weight	50 kg/m ² (10.2 lb/ft ²), non concentrated load
	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	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	Temperature	Up to 2.88 kVA
	Relative humidity	15°C-30°C (59°F-86°F)
Installation environment	Accuracy maintained temperature	35%-65% RH
	Temperature gradient	18°C-25°C (64.4°F-77°F)
Dust	Temperature	Up to ±10°C/h (±18°F/h)
	Dust	Similar to standard office environments
Install Dimensions (WxDxH)	Dust	4,400x2,250x1,250 mm (173.2x88.5x49.2")
	Assembled Dimensions (WxDxH)	4,400x2,450x1,250 mm (173.2x96.4x49.2")
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.

■ Software

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

Raster Link 6

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.

▲ 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 emission 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 vary slightly 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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For INDUSTRIAL PRODUCTS



Large Format UV LED Flatbed Inkjet Printer

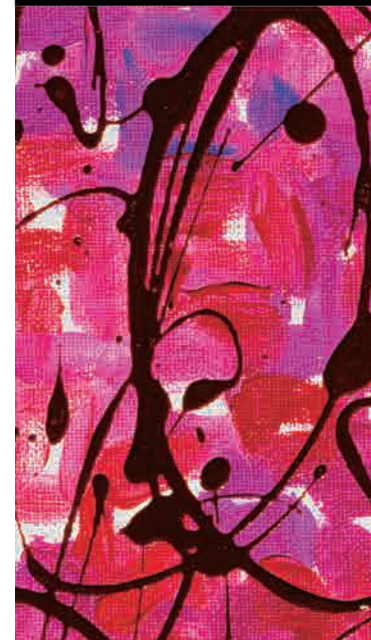
Mimaki

JFX200-2513



OPEN UP!

Introduction of new entry-model flatbed printer expanding the possibilities of printing business.



DB20279-09

High-performance entry-level model

Developed using Mimaki engineering knowhow and technology, the JFX200-2513 is an entry-level model printer that nevertheless equipped with all the necessary performance, product quality, ease of use, and environmental friendliness required of a flatbed printer.



For INDUSTRIAL PRODUCTS

JFX200-2513



Environmentally friendly LED-UV curing unit



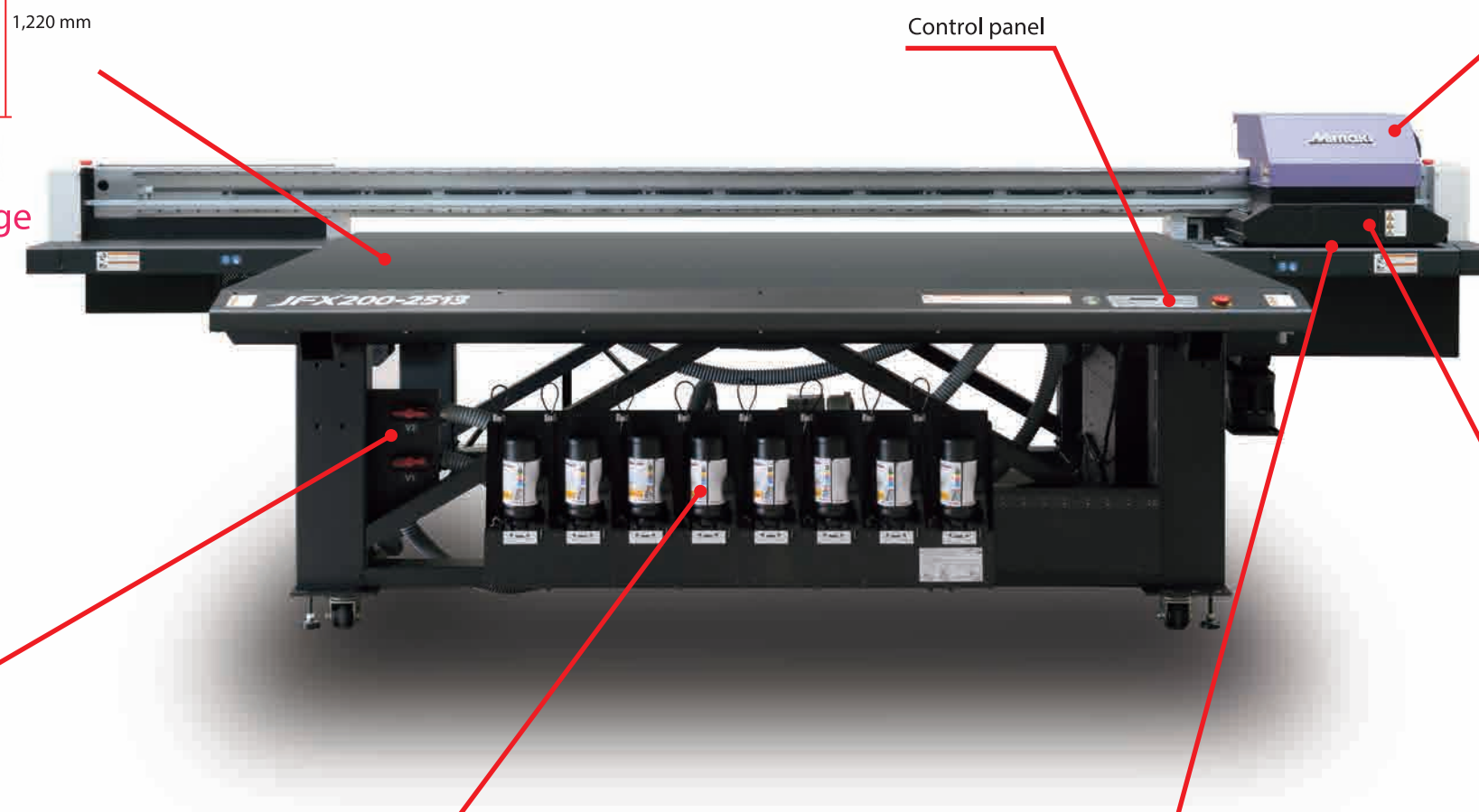
The LED-UV curing unit has an exceptionally long life and lower power consumption. With its low heat output, it can be used with print media susceptible to problems with thermal deformation or color changes. Producing very few VOCs and very little odor, it is both environmentally friendly and user-friendly and works well in indoor applications such as restaurants. It also produces no potentially destructive ozone during the printing process, which dramatically lessens any potential load on the environment.



Perfect size for installation and usage

Can be used to print 4x8 panel boards* that are commonly used in the marketplace. Comes in a compact size for easy installation and provides excellent user-friendliness even with such high functionality.

*1,220mmx2,440mm



Direct-to-media printing onto thick media



Display case



Indoor advertisement



Outdoor advertisement

Printing onto media up to 50 mm (1.97 in.) thick, high weather and friction resistance, printing onto media with special shapes... The JFX200-2513 produces unparalleled results all in high definition. Works to expand customer business by accommodating a wide variety of needs and requirements.



Vacuum unit/suction valve

The vacuum can be turned ON/OFF quite easily and quickly from the control panel. The control panel can also be used to control two separate partitions in the X-direction of the suction area. The suction valve on the front of the printer enables the area to be controlled rather easily.



Ink supply unit

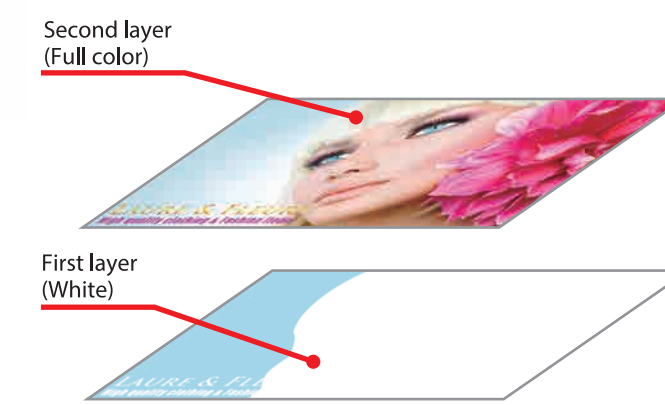
With the newly developed ink supply unit, 1-L bottles of ink can be inserted into the system and used as is. Ink bottles can be inserted quickly and easily from the front of the printer, speeding up the replacement process.



Compatible with print media up to 50 mm (1.97 in.) thick

Direct-to-media printing onto thick media

Images can be printed out not only onto regular paper media but also directly onto thick media. Works with media up to 50 mm (1.97 in.) thick to support expansion into a wide variety of print business applications.



Two-layer print function

Two-layer printing of separate white and full color layers is possible at the same time. A coating of white ink can be applied evenly at high accuracy to really bring rich and vibrant colors to life even more beautifully with transparent print media.