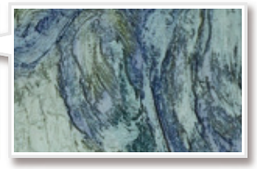
JFX200-2513 EX

The JFX200-2513 EX maximizes the productivity and user-friendliness of the JFX200-2513, the industry's best-selling UV-LED curing flatbed inkjet printer, and enables high value-added printing.

1

Semi-stereoscopic 2.5D printing made easy ! High value-added printing with "2.5D Texture Print" in "RasterLink6Plus"!



Expression of elevated surface with layered ink

Stereoscopic appeal with 2.5D printing

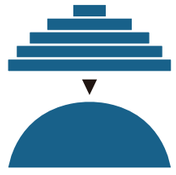
A newly developed function, “2.5D Texture Print” in Mimaki's original RIP, "RasterLink6Plus" allows you to easily create multi-layered gradation data.

The "Emboss Print", one of Mimaki's printing solutions, "Surface Imaging" makes a surface look bumpy with multi-layered UV ink printing, which requires a manual preparation of step-wise data for each layer to create smoother expression. However, “JFX200-2513EX” allows you to easily create 2.5D print data of different layer with steps, simply by using "RasterLink6Plus" (Standard accessory) and Illustrator/Photoshop.

When stacking layers of the same size

Only one piece of data is needed but smoothness cannot be achieved.

When stacking stepped layers



This enables smooth expression, but data is needed for each layer.

You can create data using Photoshop/Illustrator and RasterLink6 PLUS

Simple creation of smooth-stereoscopic 2.5D prints is available with the JFX200-2513 EX to easily show the bumpy surface like woodgrain of interior material, elevated ink of oil-paintings and letters for an impressive look for signage. Not only coloring but also adding smooth print texture can deliver added value.

3

Suitable for large format sign graphics, interior/decoration and fine arts, seeking quality

Three image control technologies to realize high quality

1. Waveform control

By discharging spherical ink droplets directly, depositing of droplets and overlapping between dots is reduced, achieving a sharp print quality with low grain.

<Non-spherical discharge>

Gapping or overlapping occurs.The image quality is rough and the edges are blurred.

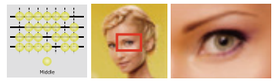
< Discharged in a nearly true spherical state >

High precision landing is possible. Sharp finish with little grain.

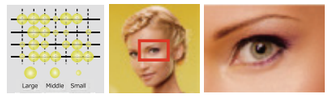
2. Variable dots

Three different ink dot sizes are used in printing to enable high-quality prints with reduced graininess.

<Fixed Dot Image>



<Variable Dot Image>

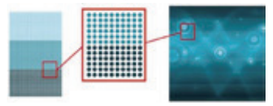


Dots are combined including the minimum size of 5pl to enable grainless, smooth color printing.

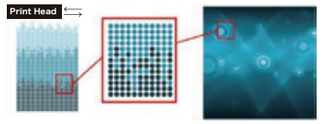
3. MAPS (Mimaki Advanced Pass System)

Banding (horizontal stripes), uneven color, or glossy streak can be reduced to produce smooth prints by printing pass boundaries fading in gradation.

<Without MAPS (Image)>



<With MAPS (Image)>



Based on printing conditions such as media/ink type and resolution, the most suitable gradation pattern is automatically selected and printed.

4

Usability achieved based on Mimaki's long time experience UV flatbed printers

As a pioneer of UV flatbed printers,
Mimaki knows everything about ease of use from its long experience.
We provide the design that is simple to use and reduces workload,
plus a preventive safety function to avoid trouble during printing.

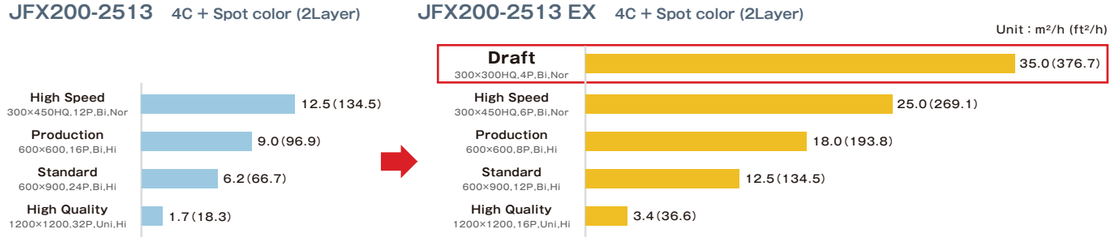
2

Higher-grade productivity and doubled White + Color simultaneous print speed! The printer allows you to respond to demand for short-term delivery.

JFX200-2513 EX prints two times as fast as JFX200-2513 in White + Color simultaneous printing.
The newly added Draft mode (300x300HQ 4P Bi Normal) can deliver print speeds up to 35m2/h (376.7 ft2/h) in 4-color + White simultaneous printing.

4-color + White simultaneous printing speed comparison

The print speed will be doubled while printing at the same resolution.
Applying the spot color set will alleviate the concern of the disadvantages of low speed.



*Time taken for setting materials and the printer's operating time before or after printing are not considered.

You can choose the most suitable ink depending on your material and application.

【6C+Cl+W】

The color set with Light colors and Clear enables to print high-quality images without graininess.

Supported ink types: LH-100, LUS-150

【4C+Cl+W】

By adding clear ink, gloss finish can be applied on the print surface, and by printing multiple layers of ink, multi-layered finish for stereoscopic effects can be applied.

Supported ink types: LH-100, LUS-120, LUS-150, LUS-350

【4C+Cl+Pr+W】

By adding primer ink, the adhesion of inks and materials is improved.

Supported ink types: LH-100, LUS-120, LUS-150

【4C+4W】

As all the nozzles of one head are allocated to the White color, MAPS for White is effective from draft mode, which can create more beautiful white printing.

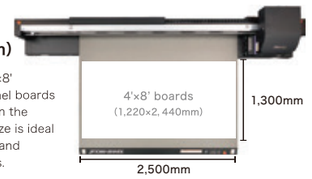
Supported ink types: LH-100, LUS-150, LUS-120

Please use OPT-J0499(4C+4Wthie ink applying kit) for [4C+4W] printing.

Type	Hard UV ink	Flexible UV ink		
Product	LH-100	LUS-120	LUS-150	LUS-350
Features	The LH-100 ink has a high scratch/chemical resistance and an accurate color reproducibility. The 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 process.	The LUS-150 ink has 150% stretchability after curing and will not crack during post print process. This ink is compatible with a wide range of materials and has a low degree of tackiness.	After curing, the ink can stretch up to 350% when heated to between approx. 120 and 200˚C. The ink restores its rigidity after being cooled, maintaining its molded shape when heated and high durability.

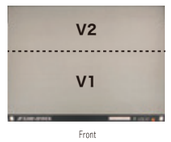
Table size (1,300x2,500mm)

Printing is possible for 4'x8' (1,220mm×2,440mm) panel boards that are commonly used in the marketplace. This table size is ideal for both easy installation and excellent user-friendliness.



Foot switch for vacuum control

Two separate partitions in the X-direction of the vacuum area can be adjusted depending on the media size you use, and newly added foot switch can be used to turn ON/OFF in addition to the control panel.



With Ethernet support

In addition to the conventional USB connection, Ethernet connection is now available.. Setup is easy; just add cables to the existing office network environment.

Auto maintenance function to shorten downtime

The NCU is newly mounted !

NCU (Nozzle Check Unit)

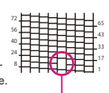
The status of nozzles is automatically detected by the sensor. When the NCU detects a missing nozzle, it automatically performs cleaning to solve the problem.

Ink emission is determined to be defective in case of light permeation.

NRS (Nozzle Recovery System)

If there is a problem left unsolved by the cleaning, it automatically replaces the defective nozzles with other nozzles, which enables users to continue their operation without waiting for service representative.

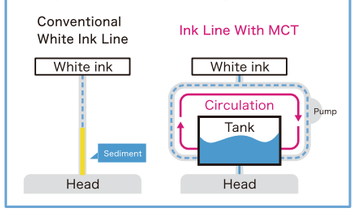
Nozzles that emit no ink are substituted by alternate nozzles. The system is automatically set based on the information provided by the NCU.

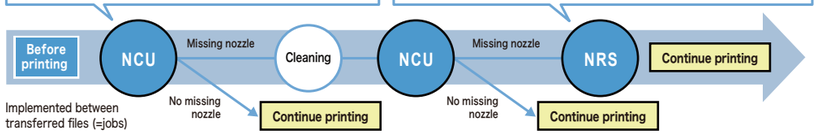


A defective nozzle that emits no ink is substituted by an alternate nozzle.

MCT (Mimaki Circulation Technology)

The JFX200-2513 EX has an ink circulation mechanism in its ink tank and ink path. It circulates white ink periodically to prevent nozzle trouble due to deposited ink pigments and to stabilize printing performance.





Links with external stop interface allow users to meet safety standards that are different by factory

Other than the standard emergency stop switch, customers can also have the printer work with safety measures that suit their environment. The product can support various safety standards depending on the customer, including safety light curtain and safety mat.

More environment-friendly business model

Mimaki Green Technology

Mimaki UV inks (LH-100, LUS-120 and LUS-150) obtain certification for GREENGUARD GOLD. The “GREENGUARD Gold certification” ensures that products are acceptable for use even in environments such as schools and medical facilities based on the most strict global standard of chemical substance diffusion. The GREENGUARD Gold-certified inks consider environmental impacts given after printing.

GREENGUARD GOLD