Supports operability and the fineness of print-outs

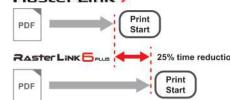
RIP Software

(Provided as standard)



Average 25% increase in RIP processing speed

Raster Link 7



Automation of printing processes

Adaptable to "Mimaki Device Language (MDL)" to realize automation of printing processes

Using MDL commands allows you to automate printer control, job management, and workpiece conveying device operation from an external device



■Supplies

LUS-120

Light Cyar

Light Cyan

Light Magenta

*: If you use CL in the LUS-150 ink set, please use the CL of LH100.

Safety devices to prevent trouble





H100-C-BA LH100-M-BA LH100-Y-BA I H100-K-BA

LH100-LC-BA LH100-LM-BA LH100-W-BA LH100-CL-BA LUS12-C-BA

LUS12-M-BA LUS12-Y-BA LUS12-K-BA LUS12-LC-BA LUS12-LM-BA LUS12-W-BA US12-CL-BA LUS15-M-BA US15-K-BA

LUS15-LM-BA

PR200-Z-BA



sensor for the operating area

■ Specifications

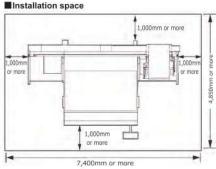
Item		JFX600-2513	
Head Print resolution		On-demand piezo head	
		16 printheads arranged in 4 staggered lines for 4 heads	
		600 dpi, 1200 dpi	
Ink	Туре	Hard UV-curable ink LH-100	
		Flexible UV-curable ink LUS-120/LUS-150"	
	Supply system	1 liter bottle for each ink	
	Ink circulation system	White ink circulation using MCT (Mimaki Circulation Technology) ²	
Maximum printable area (W × D)		2,500 × 1,300 mm	
Media	Size (W × D)	Up to 2,500 × 1,300 mm	
	Height	60 mm or less	
	Weight	50 kg/m² or less	
Media absorption		Blower absorption type + foot switch	
Absorbing area division number		Divided into 2 (X direction)	
UV unit		LED-UV system	
Interface		Ethernet 10GBASE-T	
Certifications		CE Mark (EMC Directive, Machinery Directive), UL775, RoHS, EAC, UKC	
Power supply		(200-240VAC ±10% 50/60Hz ±1Hz, 24A) × 3	
Power comsumption		INLET1-3, each INLET: 4,800W or less	
Operation environment	Temperature	20°C to 30°C	
	Humidity	35 to 65% RH (No condensation)	
	Guaranteed accuracy temperature	20°C to 25°C	
	Temperature gradient	±10°C/h or less	
	Dust level	0.15mg/m² (Equivalent to a general office floor level)	
External dimensions (W × D × H)		Approx. 5,300 × 2,850 × 1,700 mm or less	
Weight		1,100 kg or less	

^{*1:} The stretchability of flexible ink varies depending on the printing material. Please be sure to do a test print beforehand *2: MCT works only with white ink.

·As physical properties of ink (adhesion, weather resistance etc.) are different depending on media, please be sure to

•Depending on the application, primers, other surface treatment or surface protection such as lamination may be

■Installation space



⚠ 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, some VOC emittance from printed parts not yet cured and hardened may on addition, please be sure to read and follow the instructions and guidelines of the manual carefully.

Some of the samples in this catalog are artificial renderings. Specifications, design and dimensions stated in this catalog may be subject to change without notice (for technical improvements, etc). The corporate names and merchandise names written on this catalog are the trademark or registered trademark of the respective corporations. In this catalog are the trademark or registered trademark of the respective corporations. may very slightly vary after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences.



Inks and substrates:













Aerodromska 17, 71000 Sarajevo, tel: +387 33 719095, 66 002600, e-mail: sasastgraf@gmail.com Pilanska bb, 78000 Banja Luka, tel: +387 51 305280, 66 002400, e-mail: stgrafbl@gmail.com Lagja Kalabria pn, 10000 Priština, tel: +383 38 602080, 45 600641, e-mail: info@stgraf-ks.com Bulevar Boris Trajkovski 112, 1000 Skoplje, tel: +389 78 290996, e-mail: ace@sitotehnika.net

For **INDUSTRIAL PRODUCTS**

Large Flatbed **UV-LED Inkjet Printer** **Mimaki**

Product Brochure

JFX600-2513









JFX600-2513



Maximum print speed 200 m²/h*1 Equipped with

6 color inks

High speed and High quality

With a maximum print speed of 200 m²/h and 6-color ink printing, this printer is specially designed for high speed and high quality printing required for large format graphics printers featuring three types of high-performance UV ink to choose from, a 4' × 8' size table (the most common size in the sign industry), MPC (touch-screen monitor connected to the printer), and safety devices. In addition, a printer control interface is provided for the operation automation.

*1: For JFX600-2513 at Draft mode, 4C, 600×600 dpi, 2P printing

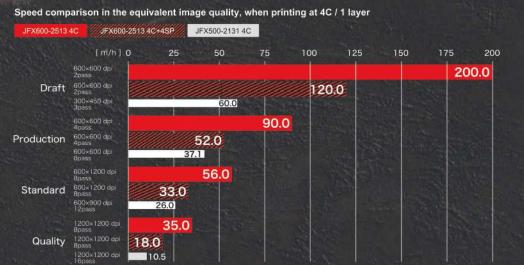
Amazingly high productivity

Compared with the equivalent image quality print mode

Up to Max. 330% UP

Max. 330% 7 faster than the previous model (JFX500-2131) by installing significantly more printheads. The great increase in productivity allows for quick delivery of large format

between JFX600-2513 in Draft mode/4C/600×600 dpi/2P and



Six colors, including light colors, are supported

Ink color sets LH-100, LUS-120, LUS-150"



Four-color ink set for high productivity, achieving a fast print speed of 200 m²/h



Add light colors for smooth gradations natural skin tones, and vivid photo



Use clear ink for gloss/matte finishes, embossing, and 2.5D print creating semi-stereoscopic surfaces, and primer for Six colors, including Lc and Lm, are available for rich color expression. There are a wide variety of ink types to choose from to suit your application. Every ink has gained the "GREENGUARD Gold" certification by meeting VOC'5 emissions requirements, the most stringent standard in the world, from UL, a U.S. third-party safety science organization, and is recognized for its

Туре	Hard ÚV ink	Flexible UV ink		
Product	LH-100	LUS-120	LUS-150	
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.	

Mimaki's image quality control technology ensures more beautiful prints

| Waveform control

Thanks to Mimaki's unique advanced ink droplet ejection control, droplets with high circularity can be ejected to make them accurately land on the media. This enables sharp expression of text, ruled lines, and edges



<Droplets ejected with high circularity>



MAPS4 (Mimaki Advanced Pass System 4) Variable dots

Banding (horizontal stripes), uneven color, and glossy streaks can be reduced to realize smooth prints by printing pass boundaries fading in gradation



on, the most suitable gradation

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



MPC using a graphical user interface

MPC (Mimaki Printer Controller)

It is a new software used for operation in the touch screen monitor connected to the printer. All operations are visually organized by item and can be performed on the MPC screen, including setting print conditions, checking work/printer status and work history, and checking maintenance instructions

Job management status



Printing conditions management status



Designed with usability in mind

Table size & Vacuum table

The table size of 2,500 × 1,300 mm nicely fits commonly used 4' × 8' media.

The vacuum area to hold media is divided into two sections in the X direction of the table, and can be adjusted to the media size you use by opening/closing valves. Besides the operation panel, a foot switch can be used to turn the vacuum on and off.

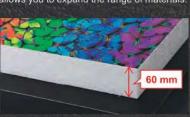
1.300m

2,500mm

The vacuum area can be split

Supporting media as thick as 60 mm

Direct printing on media as thick as 60 mm allows you to expand the range of materials.



MCT (Mimaki Circulation Technology)

An ink circulation mechanism is provided in

the ink tank and ink path. It circulates white ink

periodically to prevent nozzle trouble due to

Reliable functions for stable operation

NCU (Nozzle Check Unit)

The sensor automatically detects the nozzle condition When the NCU detects a missing nozzle, it automatically performs cleaning to solve the problem

Print head

NRS (Nozzle Recovery System)

If there is a nozzle problem that cannot be solved by cleaning, it automatically replaces the defective nozzle with an alternate one for each nozzle, which enables continuous printing without lowering printing speed.

the information provided by the NCU.

NRS





performance



Variable expression to add more value to prints

2.5D Texture Maker

Multi-layered gradation data can be created by "2.5D Texture Maker", a function of the bundled RIP "RasterLink7".* Smooth expression of bumpy textures can be achieved using multiple layers of UV ink. This allows you

to create realistic and eye-catching graphics

White ink and clear ink

Printing together with high-concentration white ink as the base color on transparent or deep-color media makes full-color images more vivid. Clear ink printing enhances decorative effects such as mat, gloss and texture.



Inkjet primer

A primer that enhances ink adhesion to glass, metal, or surface-treated material. Because primer coating simultaneously with color printing is possible, the primer can be placed only on those portions requiring it. Placing primer only

where it is required without manual work is possible making the most of the texture of raw material and realizing beautiful finishes

