Mimaki
AUTHORISED PARTNER

JFX200-2513 EX

FOR INDUSTRIAL PRODUCTS

LED-UV CURING
FLATBED INKJET PRINTER
—

EXPERT PRINTING
MADE EASY

UV-LED

DIGITAL STAR QATAR
ديجيتال ستار قطر

SOURCE OF
DIGITAL SOLUTIONS

Digital Star Qatar has been leading the digital solution in Doha, for more than 10 years as a supplier and distributers for the digital sector. Our commitment to providing the best quality machinery with advanced technology, which can help your business to expand more with successful outcomes.

The world has enabled us the opportunity to set ultra-standards in signages and digital printing industries. DSQ has developed into a true trendsetter and a reliable destination for customers seeking wholesale solutions. We help the sectors like sign makers, digital print houses, POS/POP makers, fit-out companies, event managements, and glass & aluminium fabrication industries. we promise to take your business to stand head.

Best A Grade Quality & Innovative Products

Entry Model Combining
High Added-value And High Productivity

The latest addition to Mimaki's family of UV LED flatbed printers, the JFX200-2513 delivers unparalleled results to expand the potential for professional sign and graphics companies.. A choice of inks, including white and clear, offers unlimited creative opportunities, with the capability to print to a wide range of substrates. Easy to use and with a compact footprint, the JFX200 -2513 maximizes productivity by using industry standard-sized media, on its 2.5m x 1.3m bed.

Unique features

- Highly productive print speeds up to 25m2/h and 12.5m2/h with simultaneous white ink printing

- Maximum print area of 2.5m x 1.3m

- Mimaki Advance Pass System reducing bandings

- Newly developed ink supply unit, speeding up ink replacement process

- Layout pins simplifying the process of aligning media

- Mimaki Circulation Technology preventing pigment sedimentation of white ink

- Two layer printing with white ink to clear and coloured substrates

- Vacuum unit and high performance Rasterlink RIP software as standard

Create...

The range of possible applications is practically limitless. A selection:

- Art reproduction
- Backlit graphics
- Construction signs
- Displays
- Exhibition signs
- Rigid packaging
- Lenticular (printing with 3D effects)
- ID cards
- Logos (3D)
- Operation panels
- Promotional items
- Relational gifts, Accessories

Substrates

The Mimaki JFX200-2513 can print on an extensive range of materials, such as:

- Acrylics
- Polycarbonates
- PVC, Glass
- Aluminium
- Stone
- Metal
- Polyester
- Foam board
- Styrene
- Wood

System requirements

Product configuration

JFX200-2513 EX

< Provided as standard >

Sophisticated and user-friendly RIP software

RasterLink 6 PLUS

USB2.0
Ethernet
<------------>
Connection

PC for RIP

Recommended specifications for PC for RIP

OS: Windows 10® Pro 64bit
CPU: Intel® Core™ i5-4670K (3.4GHz)
Chip set: Intel® Z87 Express
Memory: 8GB
HDD: 500GB
Interface: Ethernet port USB1.1/2/0

More environment-friendly business model

Mimaki Green Technology

GREENGUARD
PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

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.

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

▌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 | When stacking stepped layers

Only one piece of data is needed but smoothness cannot be achieved. | This enables smooth expression, but data is needed for each layer.

You can create data using Photoshop/Illustrator and **RasterLink 6 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.
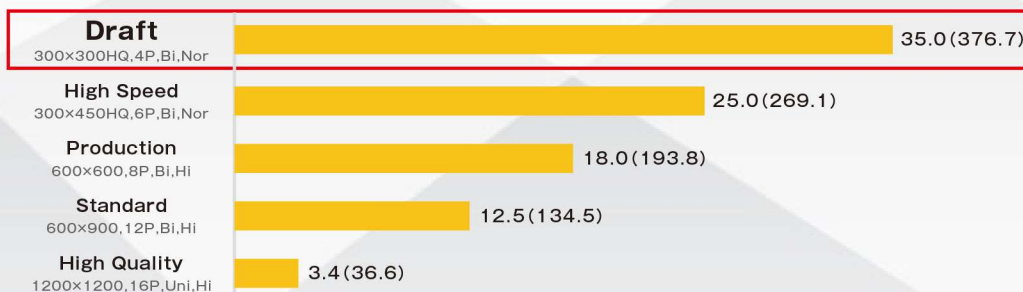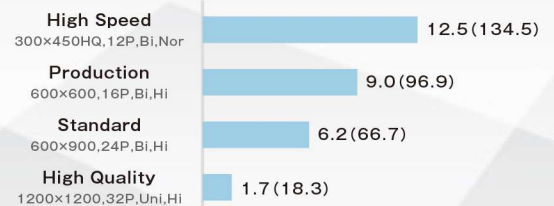
2

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

JFX200-2513 4C + Spot color (2Layer)

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.

Mode	Speed m2/h (ft2/h)
High Speed 300×450HQ,12P,Bi,Nor	12.5 (134.5)
Production 600×600,16P,Bi,Hi	9.0 (96.9)
Standard 600×900,24P,Bi,Hi	6.2 (66.7)
High Quality 1200×1200,32P,Uni,Hi	1.7 (18.3)

Mode	Speed m2/h (ft2/h)
Draft 300×300HQ,4P,Bi,Nor	35.0 (376.7)
High Speed 300×450HQ,6P,Bi,Nor	25.0 (269.1)
Production 600×600,8P,Bi,Hi	18.0 (193.8)
Standard 600×900,12P,Bi,Hi	12.5 (134.5)
High Quality 1200×1200,16P,Uni,Hi	3.4 (36.6)

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

【6C+Cl+W】

M · K · C · Y · Lm · Lc · Cl · W
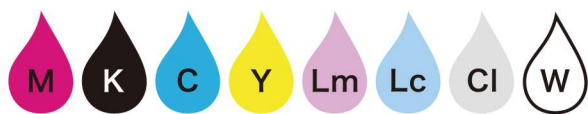
The color set with Light colors and Clear enables to print high-quality images without graininess.

Supported ink types   LH-100   LUS-150

【4C+Cl+W】

M · K · C · Y · Cl · Cl · W · W
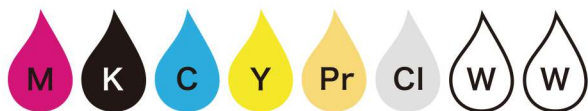
By adding clear ink, gloss finish can be applied on the print surface, and by printing multiple layers of ink, multi-layered finish for stereoscopic effects can be applied.

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

【4C+Cl+Pr+W】

M · K · C · Y · Pr · Cl · W · W

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

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

【4C+4W】

M · K · C · Y · W · W · W · W

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.

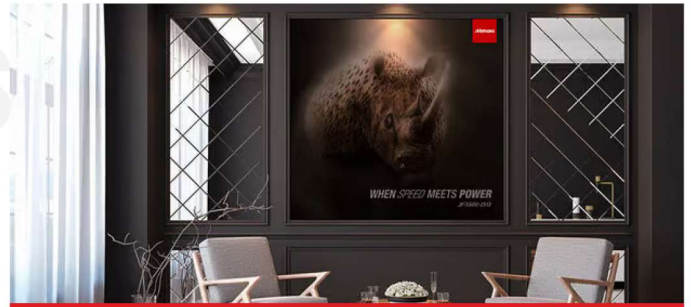| Type	Hard UV ink	Flexible UV ink		
Product	**LH-100**	**LUS-120**	**LUS-150**	**LUS-350**
Features	The LH-100 ink has a high scratch/chemical resistance and an accurate color reproducibility. The ink is suitable for rigid materials.	The LUS-120 ink has 170% stretchability after curing. Its ink film 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.

Product Samples

Wall Decorations

Glass Panels

Display Stands

Furniture

2,5D Layer Prints

Outdoor Signs

Specification

Item		JFX200-2513 EX
Head		On-demand Piezo head (Array of 3 staggered print heads)
Print resolution		300dpi, 450dpi, 600dpi, 900dpi, 1,200dpi
Ink	Type/Color*(3)(4)(5)	Rigid UV curable ink LH-100
		Stretchable UV curable ink LUS-120/LUS-150/LUS-350
	Capacity*(1)	1L bottle / 250 ml bottle
	Ink circulation sysytem*(2)	White ink circulation by MCT (Mimaki Circulation Technology)
Maximum printable area (W x D)		2,500 x 1,300 mm (98.4x 51.2")
Media	Size (W x D)	2,500 x 1,300 mm (98.4x 51.2")
	Height	50 mm (2.0 ") or lower
	Weight	50kg/sqm (110.2 lb/sq. ft2) or less (non concentrated load)
Media Suction		Vacuum Suction + Foot Switch
Suction Areas		2 partition (X direction)
UV method		LED-UV
Interface		USB, Ethernet
Applicable standards		VCCI class A, CE mark, CB report, U.S. safety standard UL (UL62368-1), RoHS Directive, FCC Class A, Machinery directive, EAC, RCM
Power		Single-phase AC200 to 240V, 12A or lower
Power consumption		2.88 kVA or less
Operating environment Temperature	Temperature	15-30 degC (59 - 86 degF)
	Humidity	35 - 65%Rh
	Optimal Temperature	20 - 25 degC (68 - 77 degF)
	Temperature Gradient	Less than ± 10 degC/h (± 18F/h)
	Dust	Equivalent to an Office
Installatoin Dimensions (W x D x H)		4,440 x 2,250 x 1,250mm (173.2 x 88.5 x 49.2")
Assembled Dimensions (W x D x H)		4,440 x 2,450 x 1,250mm (173.2 x 96.4 x 49.2")
Weight		650kg (1,433 lb)

Supplies

Item	Color	Item No.	Remarks
LH-100	Cyan	LH100-C-BA	
	Magenta	LH100-M-BA	
	Yellow	LH100-Y-BA	
	Black	LH100-K-BA	
	Light Cyan	LH100-LC-BA	
	Light Magenta	LH100-LM-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	Ink package: 1L bottle/250 ml bottle *(1)
LUS-150	Cyan	LUS15-C-BA	
	Magenta	LUS15-M-BA	
	Yellow	LUS15-Y-BA	
	Black	LUS15-K-BA	
	Light Cyan	LUS15-LC-BA	
	Light Magenta	LUS15-LM-BA	
	White	LUS15-W-BA	
LUS-350 *(3)	Cyan	LUS35-C-BA	
	Magenta	LUS35-M-BA	
	Yellow	LUS35-Y-BA	
	Black	LUS35-K-BA	
	White	LUS35-W-BA	
	Clear	LUS35-CL-BA	
Primare *(4)	PR-200	PR200-Z-BA	

*1 : LH-100, LUS-120 and PR-200 come in both 250ml and 1L bottles.   *2 : MCT works only with white ink.

*3: The LUS-350 will be applied later.   *4: The PR-200 is not compatible with LUS-350.   *5: The LUS-350 will be applied later.

* Stretchability of flexible ink may vary depending on materials, please have a prior test print.

* LH-100, LUS-120 and LUS-150 are GREENGUARD Gold cartification ink.

Optional Accessories

Item	Item No.	Remarks
Ionizer kit	OPT-J0342	Static eliminator kit
Vacuum unit (φ 3mm × 200mm) (φ 0.1 in. × 7.9 in.))	OPT-J0216	Three-phase, 200 V-240 V, 30 A, 3.4kW
Vacuum unit (φ 1mm × 200mm) (φ 0.04 in. × 7.9 in.))	OPT-J0217	Single-phase, 200 V-240 V, 30 A, 1.9kW
Vacuum unit (φ 3mm × 400mm) (φ 0.1in. × 15.7 in.))	OPT-J0232	Three-phase, 380 V-480 V, 20 A, 3.4kW
Optional blower Connector Kit	OPT-J0348	Necessary kit for connecting an optional vacuum unit
4C+4White ink applying kit	OPT-J0499	Necessary kit for 4C+4White ink set
Lift-Up Block	OPT-J0513	

*The optional accessories available with JFX200-2513 are also compatible with JFX200-2513 EX.
*OPT-J0393 PR-100/PR-200KIT is not necessary to use JFX200-2513 EX.
 However when starting to use PR-200, it is necessary to replace to the pump of the initial attachment.

SYSTEM REQUIREMENTS (PC's)

Operating System*	Windows 10 (64 Bit) or Later
Processor	i7 - 2.6 GHz or faster
Memory (RAM)	Min. 8GB or More
Video Card and Monitor(VGA)	1280x1024 or Higher Resolution is Recommended
Working Hard Disk Space	1 TB SSD or more recommended
Graphics Card	2GB or more (Optional)
Optical drive	DVD-ROM
Other requirements	Ethernet connection for network capable printers
	Available USB ports and PCIE Slot
Recommended Brand	Lenovo / Dell

* Note: You can use a laptop or desktop computer

* Use the original operating system and software. If you are using pirated operating system or software, we are not responsible for any damage to Machine workings, and also the warranty terms will become void.

POWER REQUIREMENTS

Voltage Regulator	5000W Stabilizer

Terms and Conditions

1. Payment to be made in QR currency.

2. Payment Terms: As mentioned in Quotation.

3. Bank Details:

Bank Name	Branch	Beneficiary Name	Acc #	Swift Code
Qatar Islamic Bank	Al Khour Branch	Digital Star Qatar	0111453200015	QISB – QAQA
IBAN: QA16QISB00000000111453200015				

4. Bank Charges: Any bank charges relevant to the above transactions will be to your account.

5. Any charges, duties, taxes or levies at the ports of entry will be to our account.

6. The charges of loading, boarding and local conveyance of the technician will be to our account.

7. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.

8. Digital Star Qatar will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents and any related reasons, which is beyond our control.

9. The warranty will be 12 months from the date of installation from Digital Star Qatar. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Qatar.

10. Service will be free of cost within 12 months from the date of installation.

11. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.

12. Delivery: As mentioned in quotation

DIGITAL STAR QATAR
ديجيتال ستار قطر

DOHA | QATAR | P O BOX: 47663

📞 +974 448 34 486   ✉ info@digitalstarq.com

📠 +974 441 63 788   🌐 www.digitalstarq.com