LOCKS IN PLACE
LASTING EFFECT



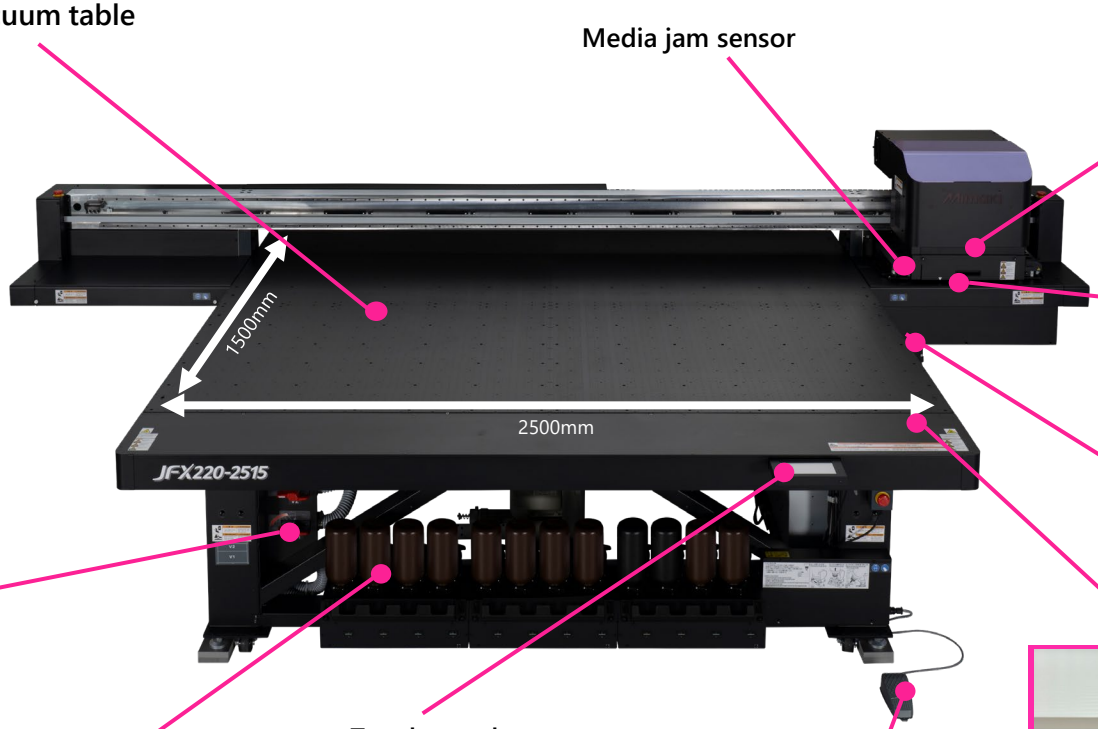
The true successor to the JFX200-2513EX

JFX220-2515

MIMAKI ENGINEERING CO., LTD.
Global Marketing IP
2026/9/8/ ver.1.0

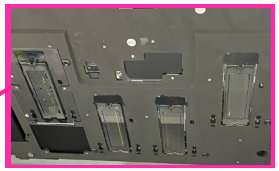
JFX220-2515 Overview | Hardware Configuration

Keeps the overall table size unchanged
while expanding the printable area to **2500 × 1500 mm.**
Accommodates half-size sheets of 3000 mm media.



Vacuum table

Media jam sensor



Four print heads

Gap pins

Waste ink tank

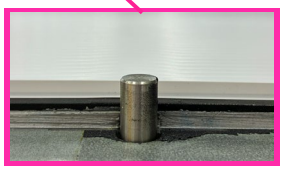


Suction vales

MBIS – ink bottles

Touch panel

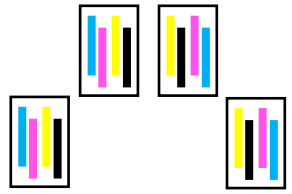
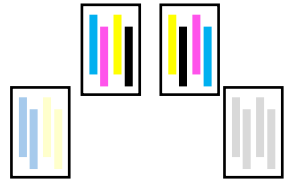
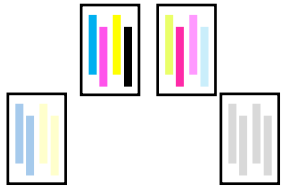
Foot pedal



Auto positioning pin

JFX220-2515 Overview | Ink configuration

Three different ink type

Ink type	Ink configuration	Ink bottle	Head layout
ELS-120 ELH-100 *1	4C x 2	C M Y K C M Y K Y K M C	
	4C+WClPr	Pr Pr Cl Cl C M Y K W W W W	
	6C+WClPr	C M Y K Pr Cl W W Fy Fp Lm Lc	

Fy Fp：EFS-150　Pr：PR-200

*1 ELH-100 is scheduled to be supported sequentially from January 2027.

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The new vacuum system

01. With ANCHOR TECHNOLOGY, anyone can start printing easily and instantly.

More than ever before

02. Fluorescent ink creates a striking visual impact.

Evolved from the JFX200EX

03. High image quality and productivity.

The new vacuum system

01. With ANCHOR TECHNOLOGY, anyone can start printing easily and instantly.

More than ever before

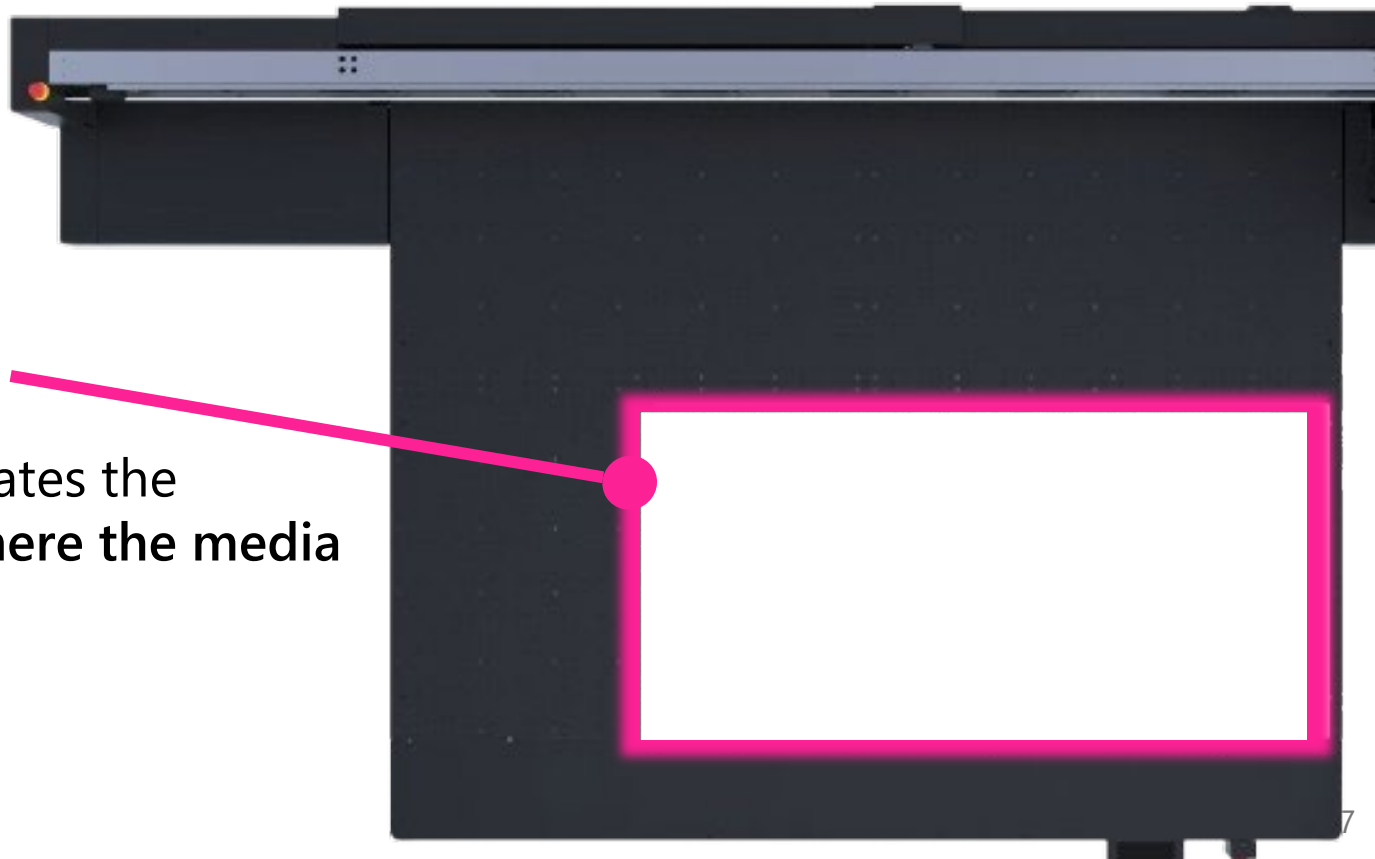
02. Fluorescent ink creates a striking visual impact.

Evolved from the JFX200EX

03. High image quality and productivity.

Featuring **ANCHOR TECHNOLOGY:**

This technology eliminates the masking process and dramatically improves work efficiency.



ANCHOR TECHNOLOGY is

a new technology that activates the vacuum **only at the spot where the media is placed.**

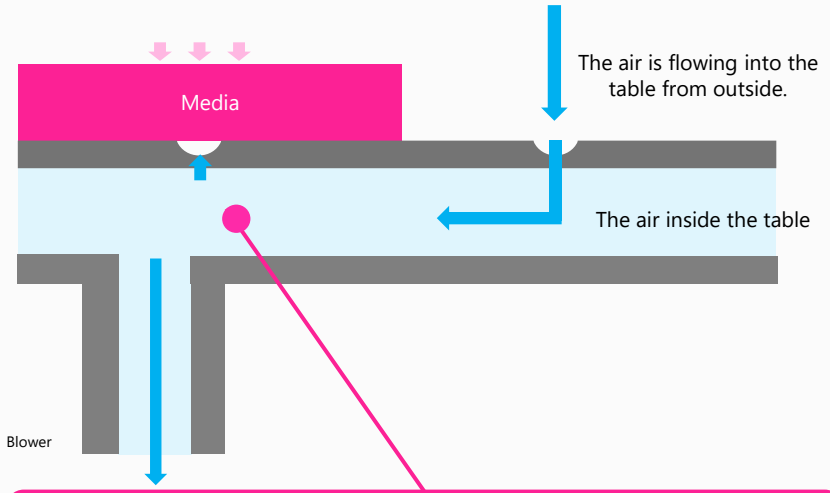
By automatically sealing the suction holes in areas where no media is present, the system maintains the air volume inside the table. It maximizes the suction force applied to the media.*1

This allows the media to be held securely even without masking.

*1 Patent pending

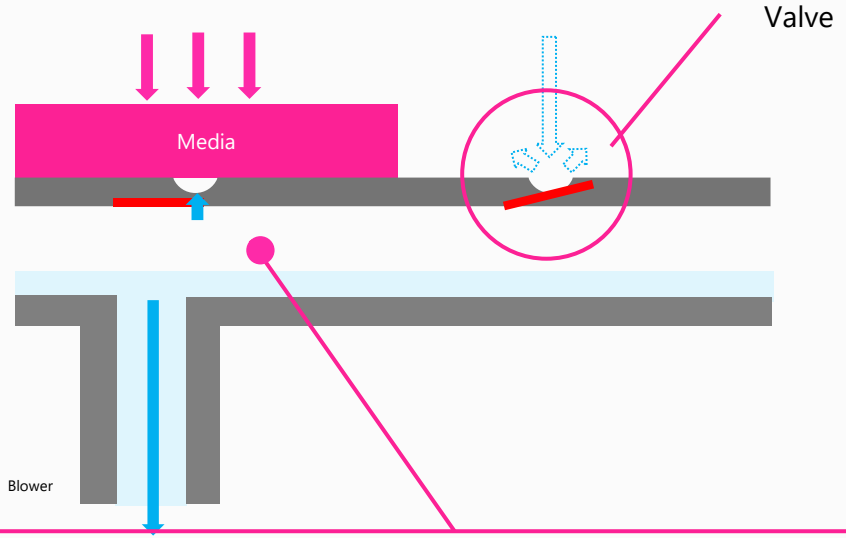
Difference from the previous vacuum table

JFX200EX vacuum table



Because too much air is entering the table through the suction holes, it cannot maintain sufficient suction on the media. **Therefore, without masking, the suction will be weakened.**

ANCHOR TECHNOLOGY



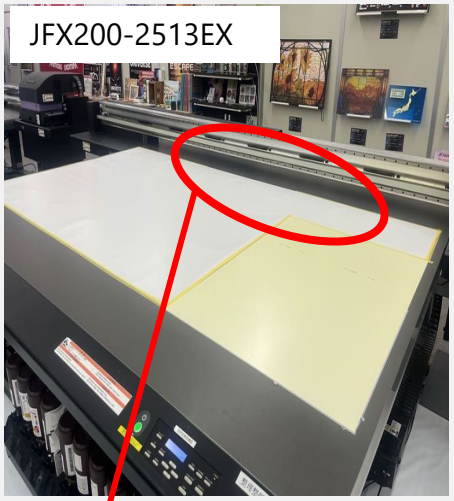
A valve installed in the holes automatically opens and closes to reduce the amount of air entering the table, thereby maintaining strong adhesion of the media. **As a result, it provides sufficient adhesion even without masking.**

01. With ANCHOR TECHNOLOGY, anyone can start printing easily and instantly.

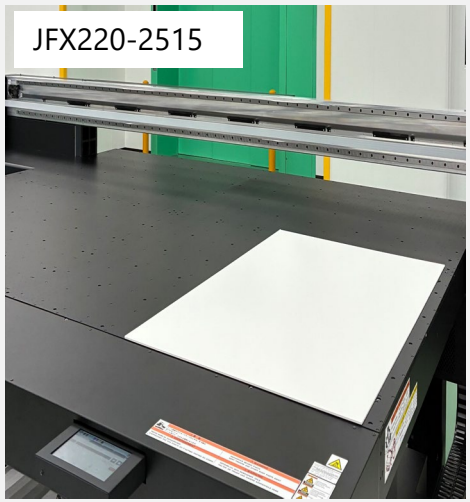
Point 1

Frees operators from tedious masking tasks.

It supports efficient printing operations through a seamless workflow from preparation to printing.



The rear area is hard to reach, making it difficult for smaller operators to access.

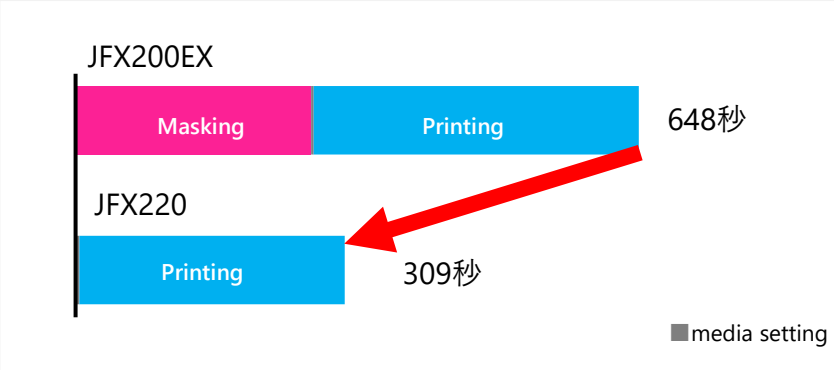


No tedious masking, just immediate printing and greater efficiency.

Point 2

Reduced setup time leads to increased productivity.

It cuts down on downtime during printing operations and improves machine utilization.



Printing completes in approx. half the time of the JFX200EX!

Total time comparison for printing a piece of 700 × 1000 mm media sheet (JFX200-2513EX, JFX220-2515 / Print conditions 600 × 600 dpi, 8-pass)

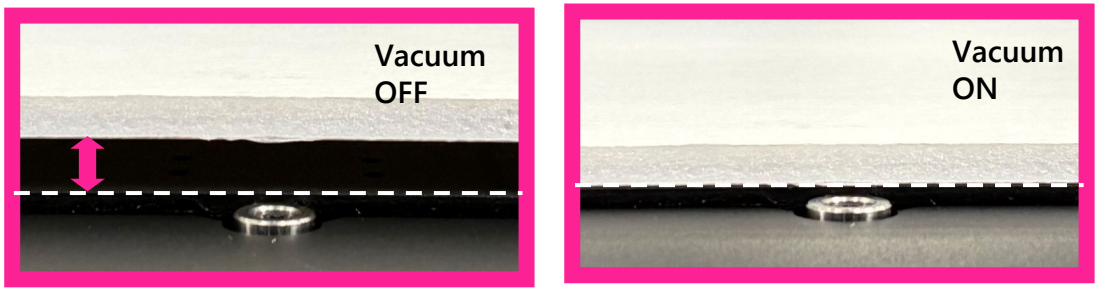
Supports a wide variety of media.

Securely holds various media as before.

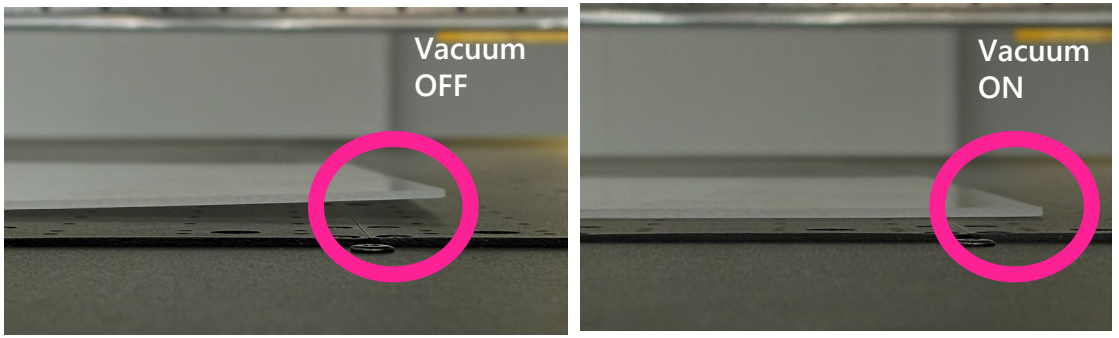


Ensures a stable vacuum hold Even for warped or curled media.*1

Minimizes waste by allowing the use of deformed media.



Even warped styrene boards will be securely held without issues.



Provides strong vacuum hold for easily deformable materials such as corrugated cardboard and acrylic, ensuring safe and smooth printing.

*1 Extremely warped or distorted substrates may not adhere properly to JFX220. Be sure to conduct a test before printing.

The new vacuum system

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anyone can start printing easily and instantly.

More than ever before

02. Fluorescent ink creates a striking visual impact.

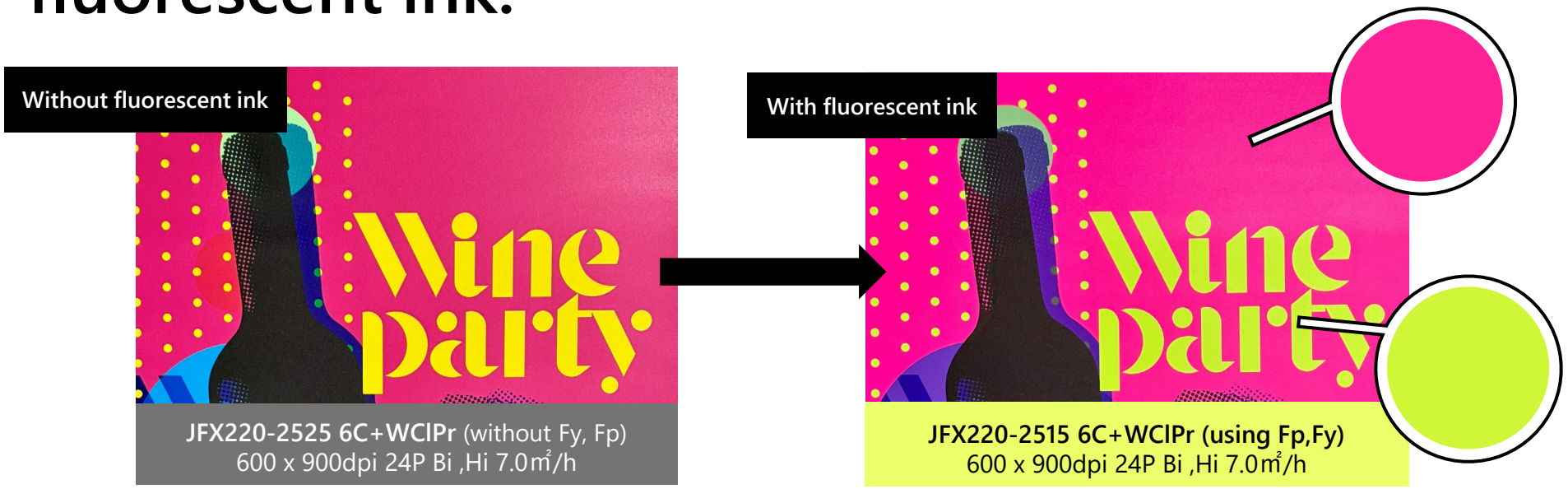
Evolved from the JFX200EX

03. High image quality and productivity.

FP Fluorescent Pink

FY Fluorescent Yellow

Achieve eye-catching, vivid expressions with fluorescent ink.



Fluorescent inks deliver crisp, vibrant colors that stand out even from a distance, enhancing visual impact.

Powerful eye-catching effects, overwhelming presence, and high visibility from fluorescent inks add unprecedented value to your applications.

Clearly differentiates your output from competitor products.



Indoor advertising signage



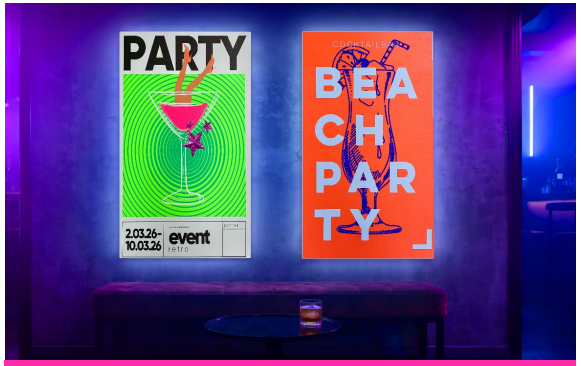
In-store POP displays



In-store fixtures



Warning signage



In-store POP displays

The new vacuum system

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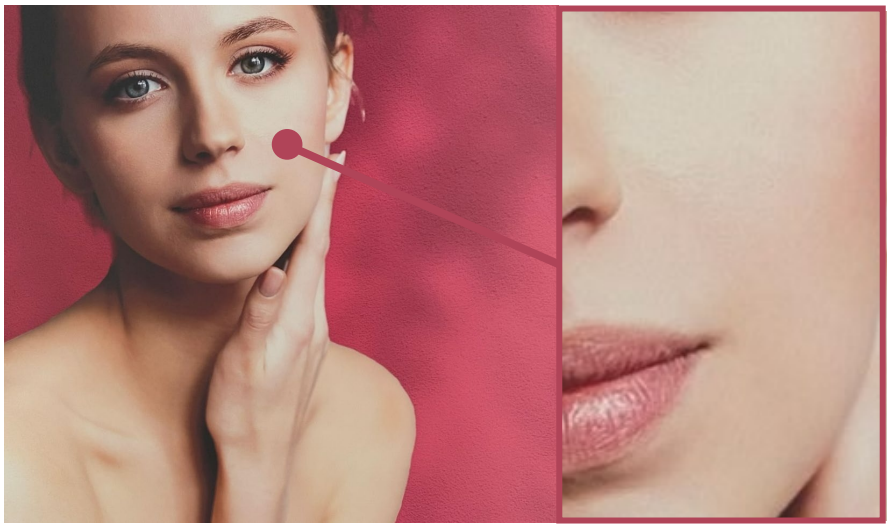
Evolved from the JFX200EX

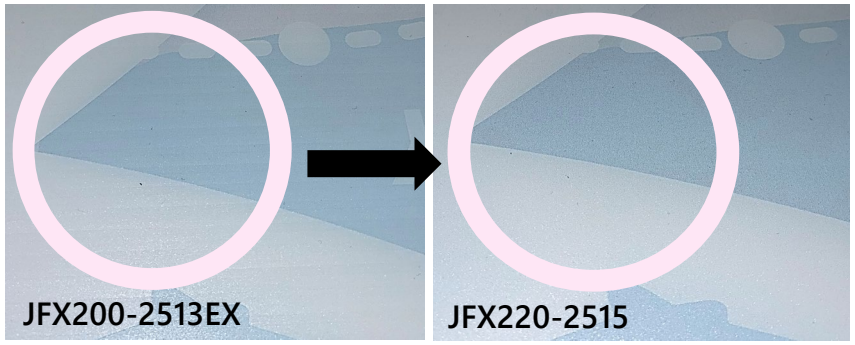
03. High image quality and productivity.

Better than the JFX200EX

Advanced high image quality and productivity

Smooth, natural-looking textures. Graininess in skin tones is reduced.





Beautiful solid colors with no banding.



White ink quality improved compared to the JFX200EX.

The JFX220 is equipped with four white ink channels. MAPS is applied from the lowest pass, helping to eliminate banding and produce cleaner, more even white coverage.

Better than the JFX200EX

Advanced high image quality and productivity

4C+WClPr Ink configuration

Signage with High-quality

Production mode

21.0㎡/h

UP to 110%

JFX200EX 4C+SP Production mode

18.0㎡/h

4C×2 Ink configuration

High-speed printing

Production mode

42.0㎡/h

6C+FyFpWClPr Ink configuration

Print with fluorescent

Production mode

10.5㎡/h

UP to 110%

JFX200EX 4C+SP Production mode

9.0㎡/h

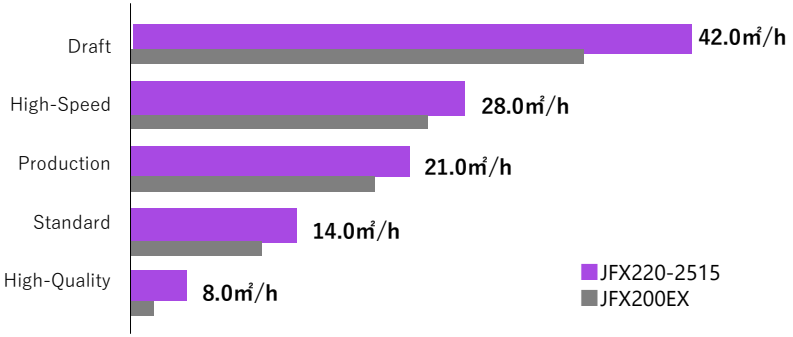
03. High image quality and productivity

Compared with the JFX200EX 4C+WCl/WClPr ink configuration,

JFX220 4C+WClPr ink configuration delivers approx. 110% of the print speed.

1layer /2layers printing speed comparison

Mode	Resolution	Pass		JFX220-2515 (4C+WClPr)	JFX200-2513EX (4C+WCl/WClPr)
Draft	300x600	4	Bi Nor	**452.1 sq ft/hr** 42.0㎡/h	**376.7 sq ft/hr** *1 35.0㎡/h
High-speed	300x900	6	Bi Nor	**301.4 sq ft/hr** 28.0㎡/h	**269.1 sq ft/hr** *2 25.0㎡/h
Production	600x600	8	Bi Hi	**231.4 sq ft/hr** 21.5㎡/h	**193.8 sq ft/hr** 18.0㎡/h
Standard	600x900	12	Bi Hi	**150.7 sq ft/hr** 14.0㎡/h	**134.5 sq ft/hr** 12.5㎡/h
High Quality	1200x1200	16	Uni Hi	**43.1 sq ft/hr** 4.0㎡/h	**36.6 sq ft/hr** 3.4㎡/h



Indoor signage





*1 Comparison with the JFX200EX 4C+WClPr ink configuration *2 *3 JFX200EX: Draft mode is 300x300HQ 4P; High-speed mode is 300x450HQ 6P

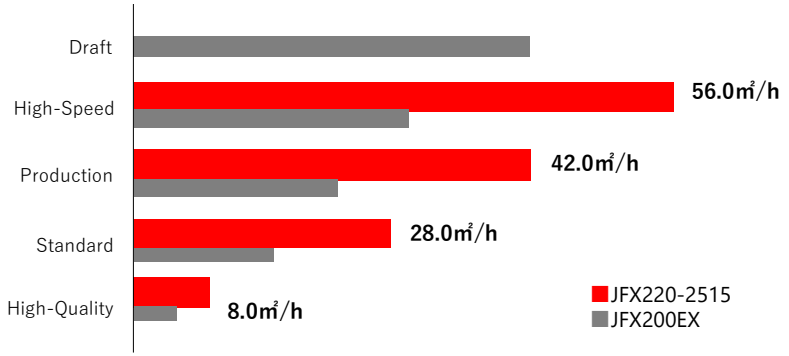
03. High image quality and productivity

Designed for users who prints color-only, for higher-turnover, shorter delivery time.

The 4C×2 ink configuration delivers up to <u>approx. 200 % higher productivity</u>

1layer /2layers printing speed comparison

Mode	Resolution	Pass		JFX220-2515 (4C×2)	JFX220-2515 (4C+WCIPr)
Draft	300x600	4	Bi Nor	-	452.1 sq ft/hr 42.0㎡/h
High-speed	300x600	6	Bi Nor	**602.8 sq ft/hr** 56.0㎡/h	301.4 sq ft/hr 28.0㎡/h
Production	600x600	8	Bi Hi	**452.0 sq ft/hr** 42.0㎡/h	231.4 sq ft/hr 21.5㎡/h
Standard	600x900	12	Bi Hi	**301.4 sq ft/hr** 28.0㎡/h	150.7 sq ft/hr 14.0㎡/h
High Quality	1200x1200	16	Uni Hi	**86.1 sq ft/hr** 8.0㎡/h	43.1 sq ft/hr 4.0㎡/h





Yard sign



Floor stands



POP

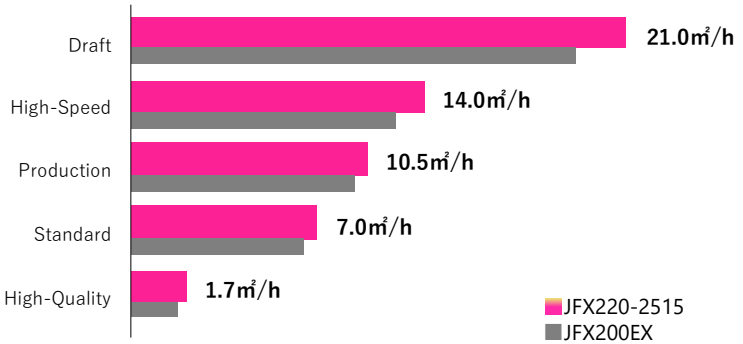
03. High image quality and productivity

More productive while more vivid. JFX200EX 6C ink configuration with fluorescent ink added,[*1]

enables high color payoff at approx. 110% of the conventional speed.

1layer /2layers printing speed comparison

Mode	Resolution	Pass		JFX220-2515 (6C+FyFpWClPr)	JFX200-2513EX (6C+WClPr)
Draft	300x600	8	Bi Nor	**226.0 sq ft/hr** 21.0㎡/h	188.4 sq ft/hr 17.5㎡/h
High-speed	300x900	12	Bi Nor	**150.7 sq ft/hr** 14.0㎡/h	134.6 sq ft/hr 12.5㎡/h
Production	600x600	16	Bi Hi	**113.0 sq ft/hr** 10.5㎡/h	96.9 sq ft/hr 9.0㎡/h
Standard	600x900	24	Bi Hi	**75.3 sq ft/hr** 7.0㎡/h	66.8 sq ft/hr 6.2㎡/h
High Quality	1200x1200	36	Uni Hi	**21.5 sq ft/hr** 2.0㎡/h	18.3 sq ft/hr 1.7㎡/h





Indoor advertising



In-store POP displays



Warning signage

[*1] compared to JFX200EX 6C+WCl ink configuration

04. Improved usability for easier operation.

05. Supports media thickness up to 4 inches (101.6 mm).

06. Sets itself apart through value-added printing.

04. Improved usability for easier operation.

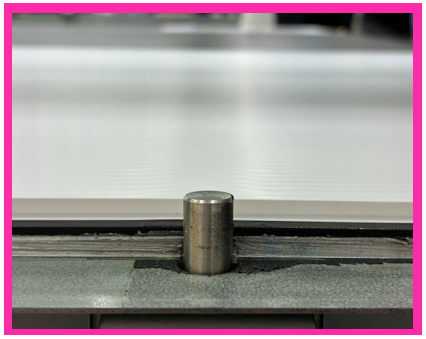
05. Supports media thickness up to 4 inches (101.6 mm).

06. Sets itself apart through value-added printing.

Make the media setup more straightforward

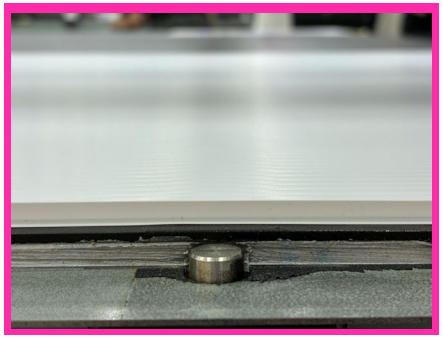
1. Instant lock with auto-positioning pins

メディア設置時



Raise the pins using the left icon, then place the media against the pins for quick, easy positioning.

印刷時

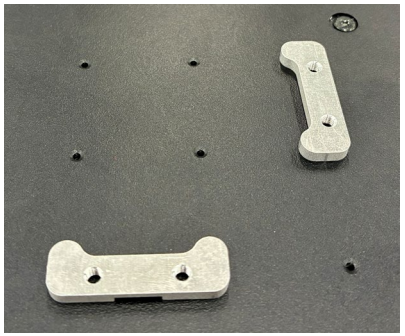


When the print job is sent, the pins automatically retract, and the vacuum is activated.

Equipped with automatically rising and lowering positioning pins, it quickly locks the media in the same spot every time. There is no need to attach or remove separate pins anymore, which allows for **more efficient operation.**

effective for media thicker than 3 mm

2. Manual positioning pins for flexible media placement *1



Attach pins to vacuum holes at the position where you want to place the media.



Set the media against the pins.
Make media positioning very simple.

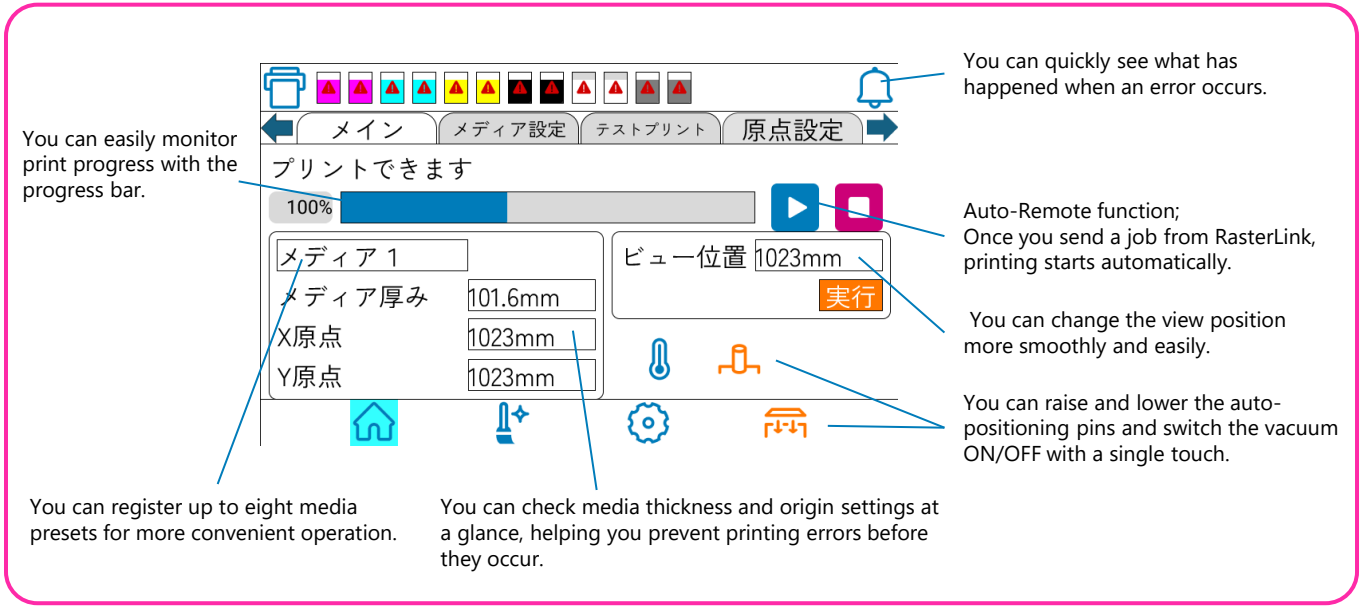
Manual positioning pins can be attached freely to vacuum holes at the desired media locations, **making the printing much more flexible.**

*1This product is not designed to be installed in the center of each panel on the table.

Make machine operation more intuitive

Touch panel

The user interface lets you see all the necessary information at a glance, making it clearer and easier to use.
Operators can use it easily without any confusion.





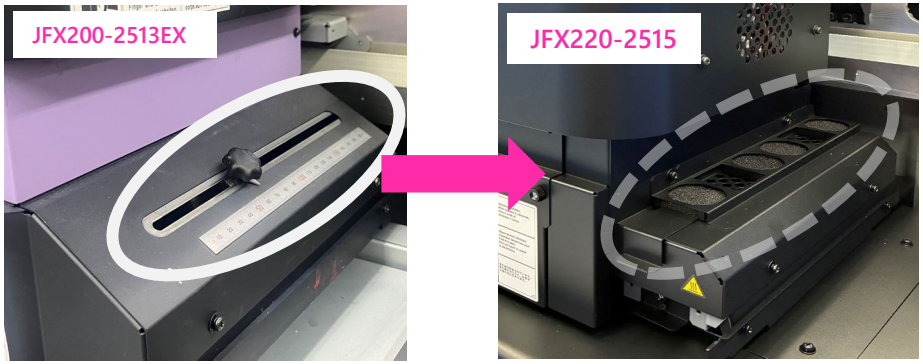
Operation with a touch pen is recommended.



You can retract the control panel during media loading and unloading. It doesn't get in your way.

Make printing operations smoother

1. UV-LED unit repositioning no longer required

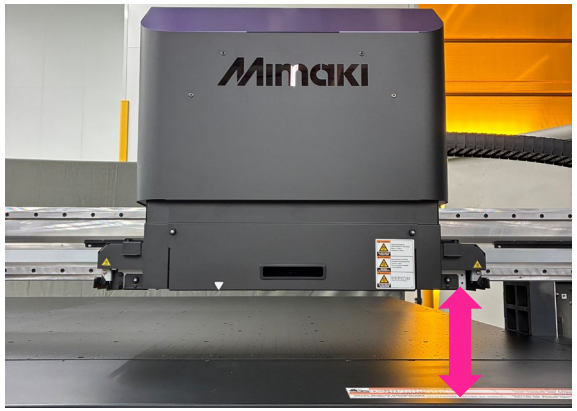


UV LED units on both the right and left sides had to be moved manually depending on the print layers.

On the JFX220-2515, **irradiation is controlled automatically.**

With the JFX220-2515, the LED UV unit position is automatically adjusted for layer printing, enabling a more efficient printing workflow compared to the manual adjustment required in the JFX200EX series.

2. Faster Z-axis movement cuts tact time.

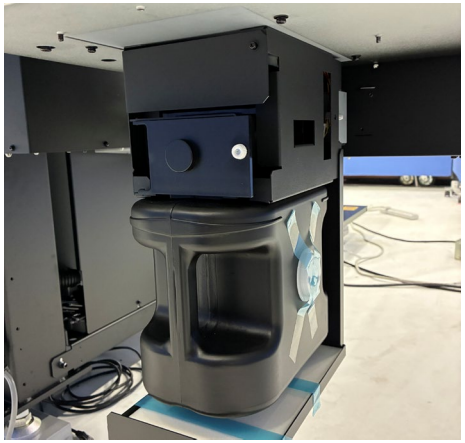


The time required for thickness detection has been cut by approx. 20%.

Compared with the JFX200EX series, Z-axis up/down speed has been increased. This shortens the time required for thickness detection, allowing jobs to be processed more quickly.

Make daily maintenance more effortless

1. Waste-ink detection sensor prevents troubles

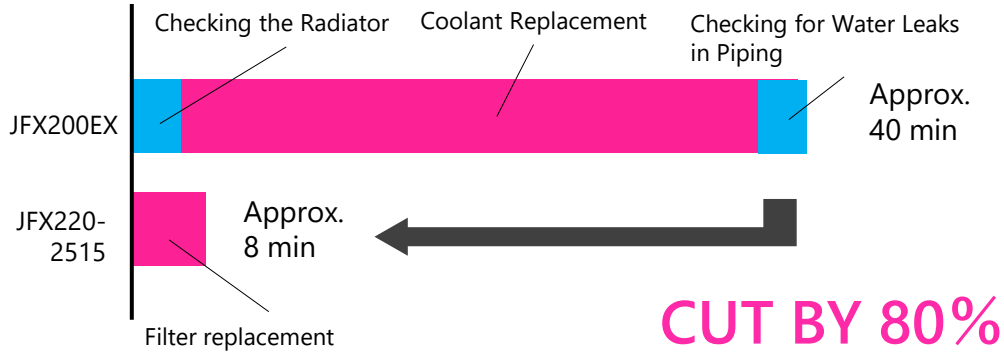


インクタンクの重量をセンサーで読み取るため、より正確になりました。

Highly accurate alerts reduce unnecessary manual checking and help prevent unexpected issues such as waste-ink overflow.

2. UV LED unit maintenance time cut by 80%

On the JFX200EX, the LED UV unit is cooled with liquid, and the antifreeze-mixed coolant needed regular top-ups.



The JFX220-2515 uses air-cooled LEDs, reducing LED unit maintenance to simple filter replacement. Also, those filters suppress ink mist and reduce the effort required for daily maintenance.

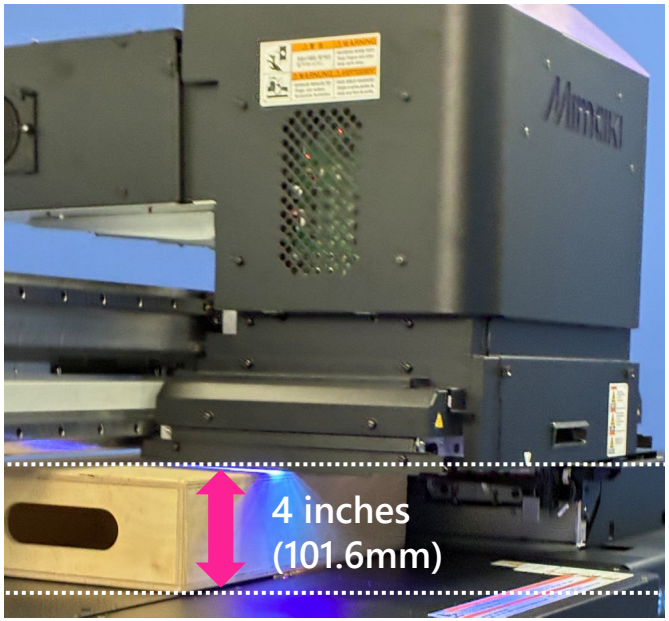
04. Improved usability for easier operation.

05. Supports media thickness up to 4 inches (101.6 mm).

06. Sets itself apart through value-added printing.

The carriage Z-lift supports media thicknesses **up to 4 inches (101.6 mm)** making it easier to print a wide range of applications.

The JFX220-2515 can handle thicknesses of up to 4 inches (101.6 mm) without a lift option, making it easier to print a wide variety of applications.



You can print on interior building materials, ready-made products, and various other items.



Interior doors



Skateboards

04. Improved usability for easier operation.

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06. Sets itself apart through value-added printing.

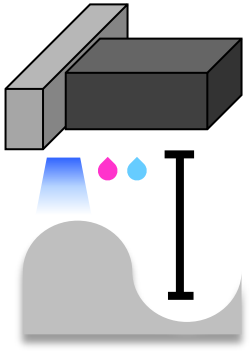
LD mode, a first for the JFX series, enables printing on applications with varying heights..

You can choose from LD1 to LD4 depending on the height difference.

LD4 mode supports step heights of up to 20 mm.

Direct printing on a wide variety of shapes expands the range of applications.

LD4 mode



Head gap
1.5mm+18.5mm

The distance from the head to the printed area is 20.0 mm or less.





Tumbler



Souvenir plate

〈Notes〉

Compared with standard mode, more ink mist tends to be generated. If the head gap is increased, some ink may not reach the media and will become mist.
Distance from the head to the printed area includes a 1.5 mm head gap.
Before printing and during cleaning, make sure to regularly clean around the nozzles.
When using LD modes, color reproduction and image quality may change. Please refer to the manual for details.

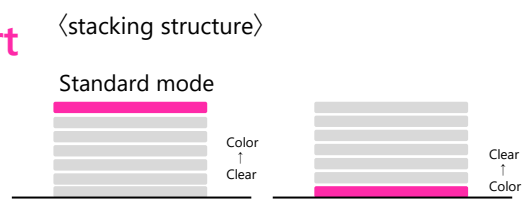
2.5D Texture Maker Emboss mode makes a huge impact

The JFX220-2515 is the first in the JFX series to support

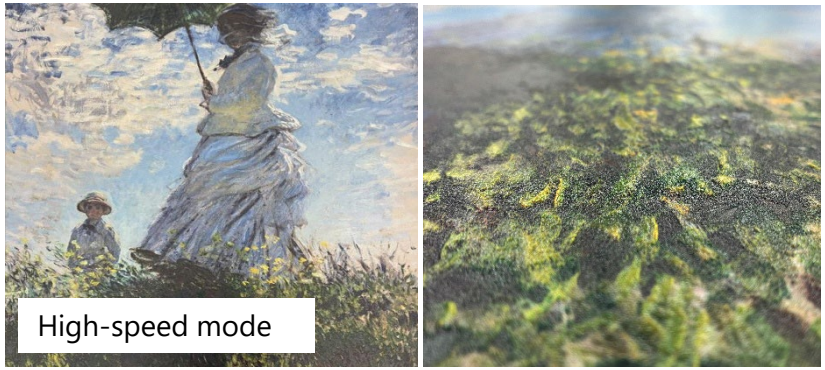
Emboss mode,

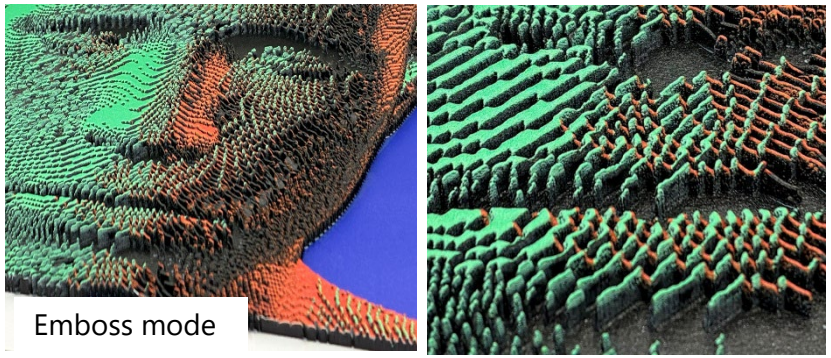
allowing stacked layers up to **5 mm**

〈stacking structure〉



The 2.5D Texture Maker reproduces textured surfaces and designs by layering ink in multiple layers.
It now features an Emboss mode that can create prints up to 5 mm thick. This enhancement adds greater visual and tactile impact to printed materials, making them stand out from competitors' products.





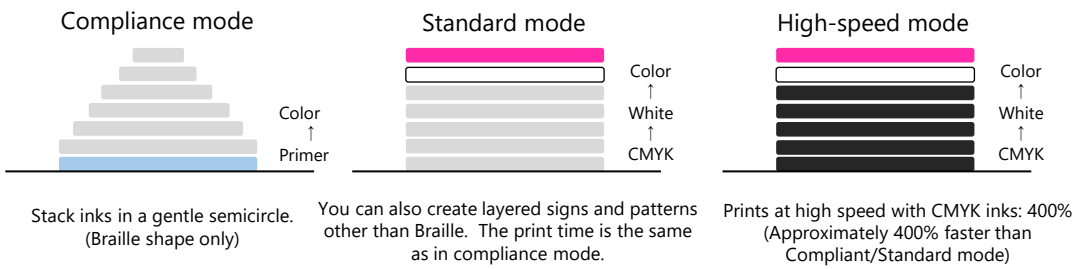
With 2.5D Texture Maker, no complex 3D software is required.
Print data can be easily created in Illustrator or Photoshop using Raster Link, a standard accessory.

〈Notes〉
For more information, check the notes at the end of the product guide and the manual.

Braille printing function

This function prints multiple ink layers to build up tactile Braille dots.
You can choose from three modes: a compliance mode that meets the JIS/ADA Standard, and standard and high-speed modes for building up vector data.

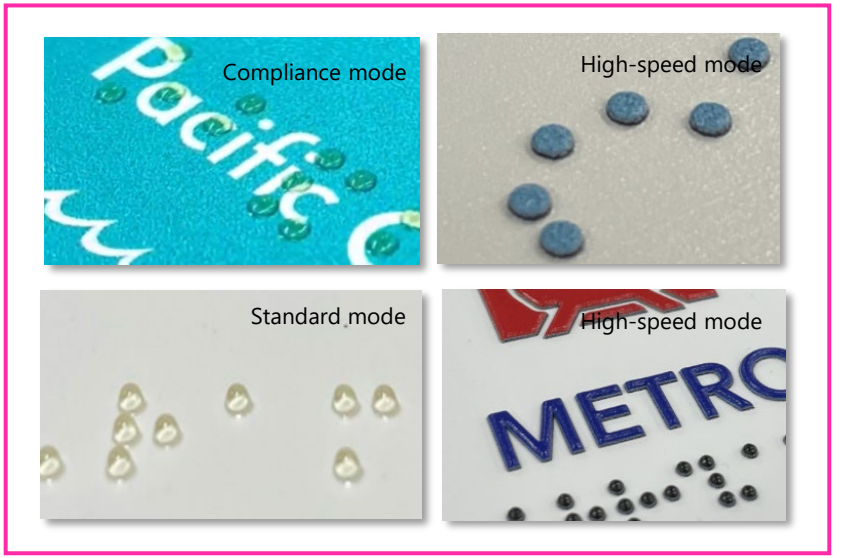
〈 Stacking structure 〉



Stack inks in a gentle semicircle.
(Braille shape only)

You can also create layered signs and patterns other than Braille. The print time is the same as in compliance mode.

Prints at high speed with CMYK inks: 400%
(Approximately 400% faster than Compliant/Standard mode)

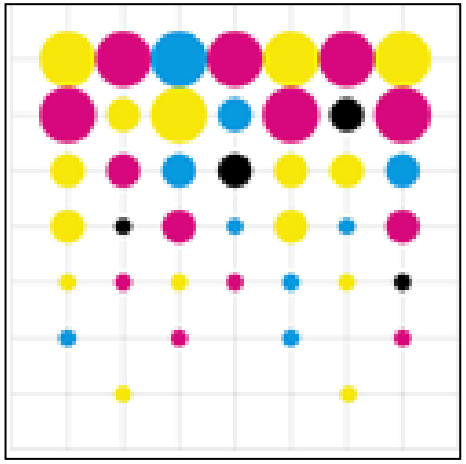


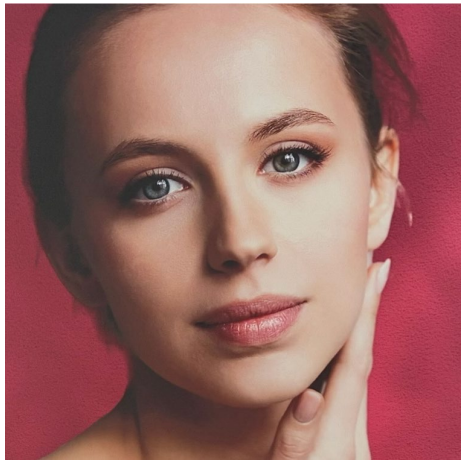
You can easily create print files using only Illustrator and Raster Link, which is included as a standard preset

Mimaki Technology for High-Quality Imaging

Mimaki Technology for High-Quality Imaging

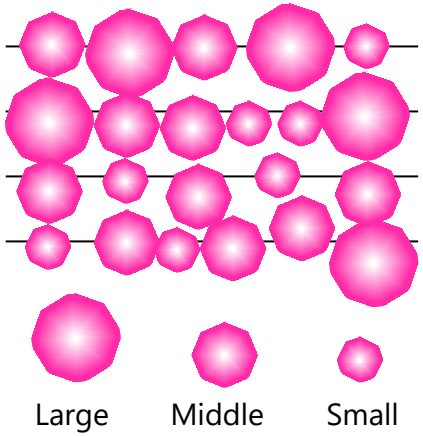
Waveform control

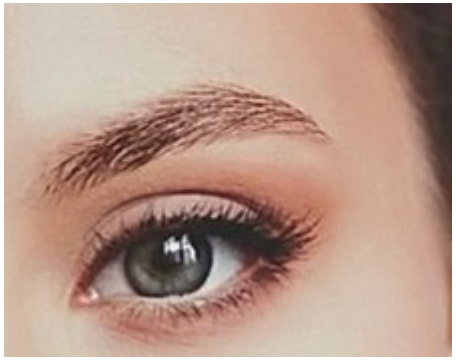




By ejecting ink droplets in a nearly spherical shape in a straight line, droplet precision is enhanced. This reduces overlap between dots, resulting in sharp print quality with minimal graininess.

Variable dot



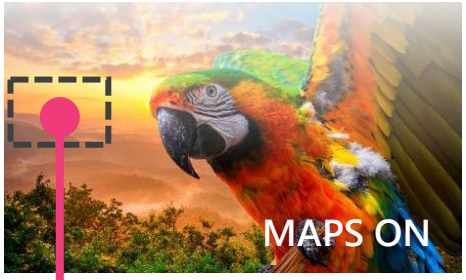


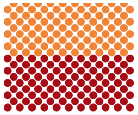
Using three different dot sizes (large, middle, small) reduces graininess and delivers high-quality prints.

Mimaki Technology for High-Quality Imaging

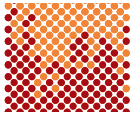
MAPS（Banding Reduction System）







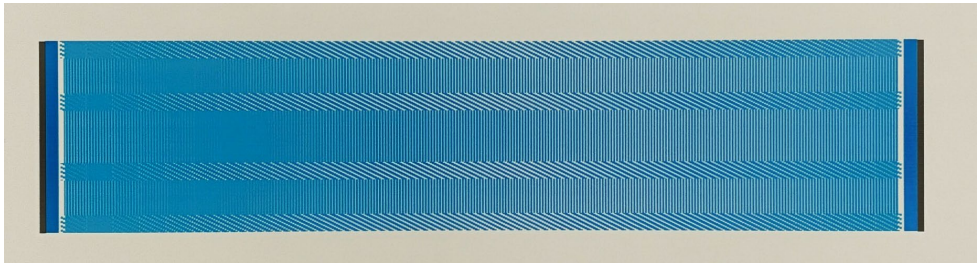
Visible band lines can appear between passes, leading to stripes and unevenness.



MAPS enables high-quality output with reduced banding and streaks.

By employing a gradation pattern for printing pass boundaries, MAPS minimizes banding, color inconsistencies, and visible lines caused by ink transitions, resulting in smoother prints.

DAS2[*1] automatic adjustment delivers optimal image quality for any operator.



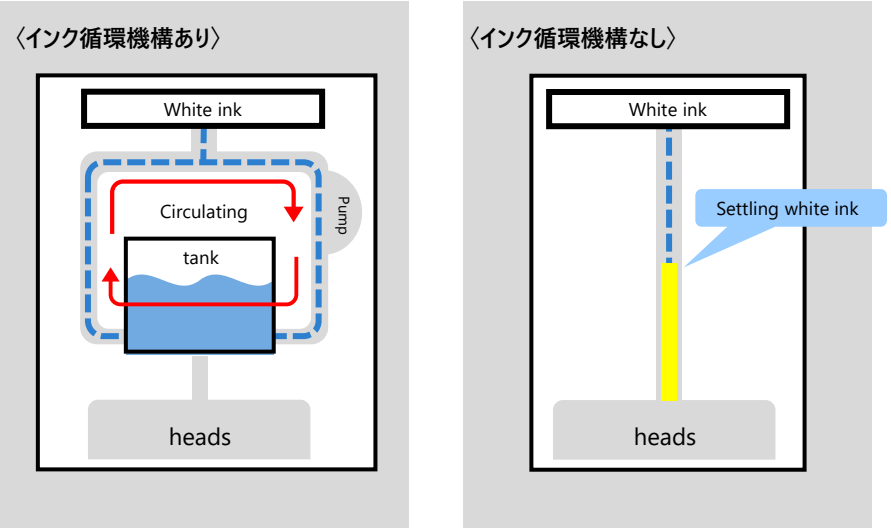
This feature automatically adjusts dot positions by printing a dedicated pattern and then scanning it with the high-precision three-light-source sensor installed on the carriage.

This eliminates inconsistencies from manual adjustments, empowering anyone to effortlessly achieve exceptional image quality.

* [1] Depending on the media or surface material, this feature may not be available. In such cases, since automatic adjustment values cannot be obtained, we recommend adjusting the settings manually.

Mimaki Technology for High-Quality Imaging

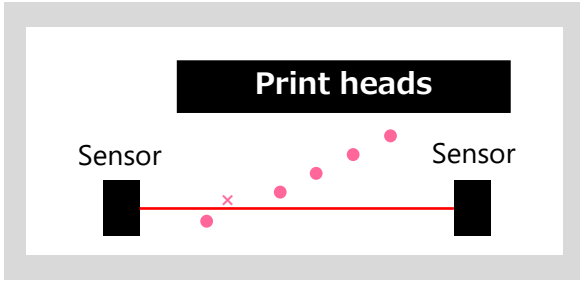
MCT
(Mimaki Circulation Technology)

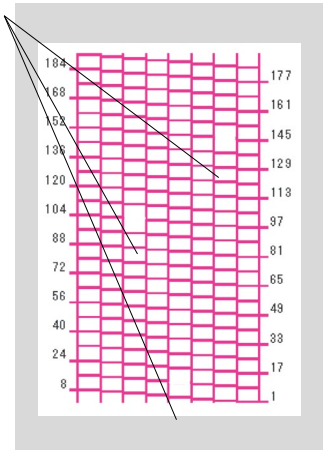


Periodic circulation of white ink prevents nozzle issues caused by pigment sedimentation, delivering stable printing.

NCU&NRS
(Nozzle Check Unit & Nozzle Recovery System)

NRS replaces defective nozzles with others



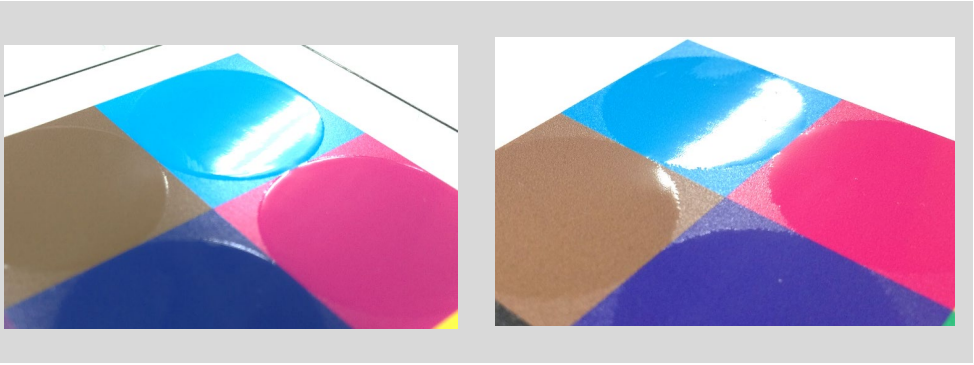


NCU monitors nozzle status

The system automatically detects nozzle status and performs cleaning when missing nozzles are found. If cleaning does not resolve the issue, NRS automatically replaces defective nozzles with new ones, so you do not need to interrupt production.

Mimaki Technology for High-Quality Imaging

MCC
(Mimaki Clear Control)

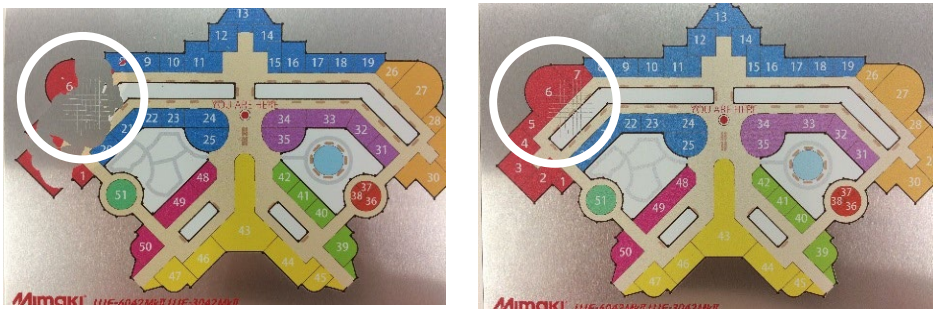


Without MCC **With MCC**

MCC suppresses clumping and bubbles, enabling beautiful, glossy, clear effects in a single printing step.

PR-200
Inkjet primer

Cross-cut adhesion test on aluminum



Without PR-200
(white + color only)

With PR-200
(PR-200 + white + color)

Using PR-200 improves adhesion on a wide range of substrates such as acrylic, glass, metal, and materials with surface treatments.

Other Features

Safer inks for both people and work environments

SVHC-Free
Contains no substances classified as SVHC (Substances of Very High Concern) for human health or the environment.

CMR-Free
Contains none of the three types of substances that affect health or the environment (listed below).
・Carcinogenic – cancer-causing substances
・Mutagenic – mutation-inducing substances
・Reprotoxic – substances toxic to reproduction

ELH and ELS inks are GREENGUARD / GREENGUARD Gold-certified.

	Mimaki			Roland		Epson		MUTOH		Canon	swissQ
	ELH-100	**ELS-120**	EFS-150	EUV5	US	SC24 (大型)	SC29 (小型)	US61	UH21		**FS1**
SVHC-Free	○	○	○	○	× TPO*2	× TPO*2	× TPO*2	○	× 907*2 TPO*2	△ カラー○ W,CL ×	○
CMR-Free	○	○	× Reproductive toxicity – Category 2	× Reproductive toxicity – Category 2	×	× Reproductive toxicity – Category 2	× Reproductive toxicity – Category 2	× Reproductive toxicity – Category 2	× Reproductive toxicity – Category 1B	× Reproductive toxicity – Category 1B 1B or 2	× Reproductive toxicity – Category 1B or 2

EFS-150 is not CMR-free, but it is SVHC-free and is scheduled to obtain GREENGUARD certification.
Under the EU REACH regulation, inks and printed products containing substances classified as SVHC (Substances of Very High Concern) may face increasing restrictions on sales and use over the coming years.

Precautions for Using a Vacuum

When using thin media, set the valve to low mode to reduce indentations caused by vacuum suction.

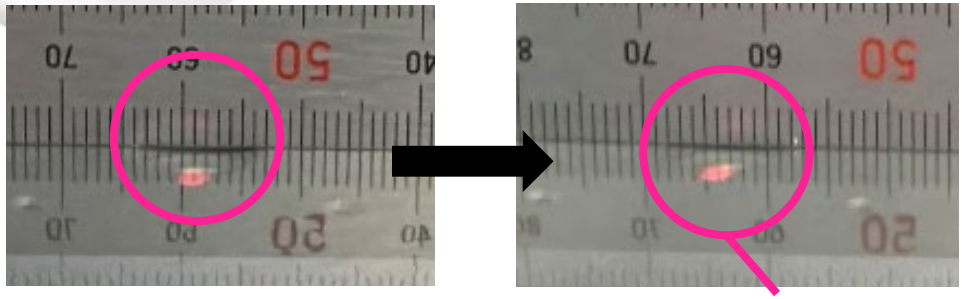
The suction force varies depending on the media material, surface texture, and size. Please make sure to check the suction force carefully before printing.

How to adjust the valves



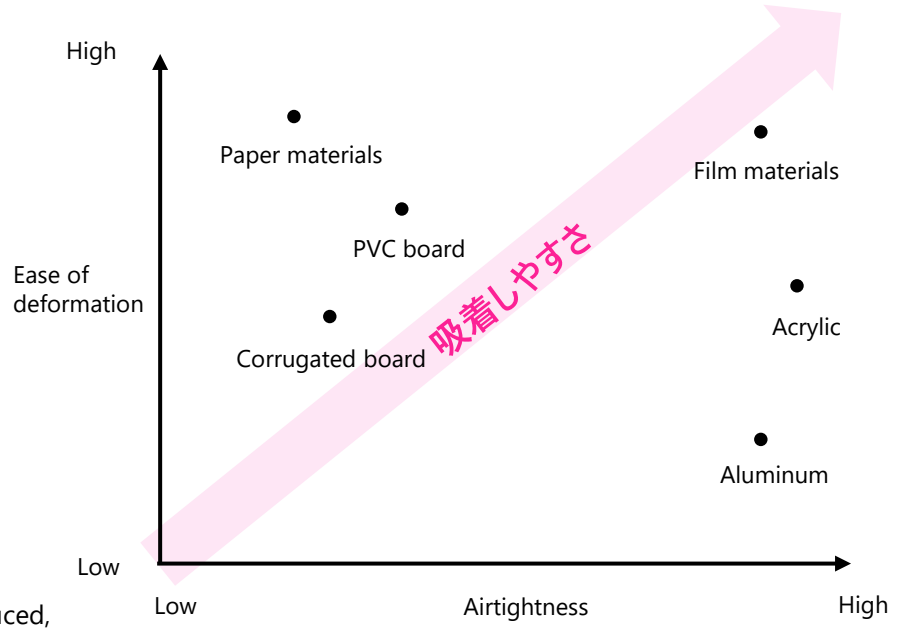
You can adjust the suction strength by turning down the valve.

Result



Indentations from the suction holes are reduced, allowing the media to be held flat.

Approx. suction adherence by material type (same size)



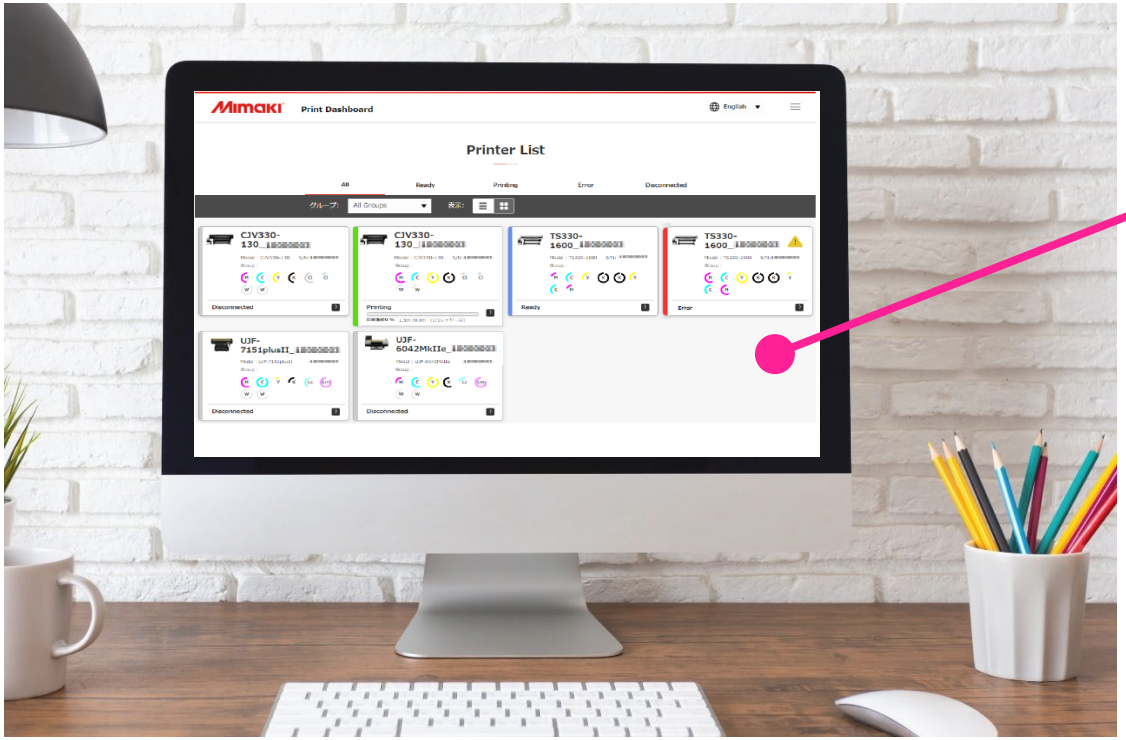
※ Valves V1 and V2 are designated for the front and rear adsorption areas, respectively.

A Cloud Service Bridging Mimaki and Its Customers

PICT Boosting Operational Efficiency and Delivering Peace of Mind

Mimaki Cloud Technology PICT

Keep track of every detail about your printers anytime, anywhere



It automatically monitors the operational status of all your machines

- Operational status of all owned machines
- Details of machine issues
- Ink usage

PICT automatically aggregates data

Features error and print completion notifications allowing you to check the status immediately, even from a remote location

Available for download from our website.
Accessible via web browsers on PCs and mobile devices.

Take charge of your printing seamlessly, even when you're away

For Today, this week, this month,
All operational performance data is available



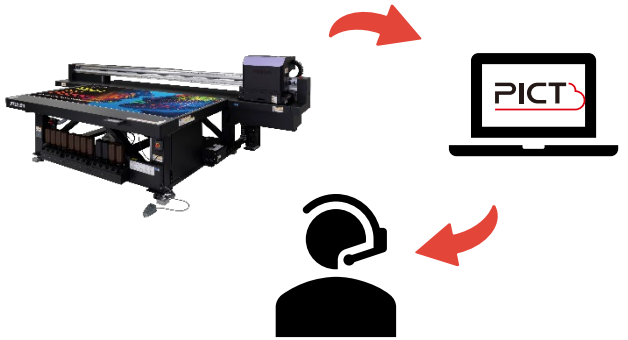
Reporting on operational performance and ink usage. Supporting planned operations and cost management.

Check the print status
on your smartphone



You'll get email notifications when printing finishes or errors occur!

When your machine runs into trouble,
count on us for prompt and reliable support to get things back on track.



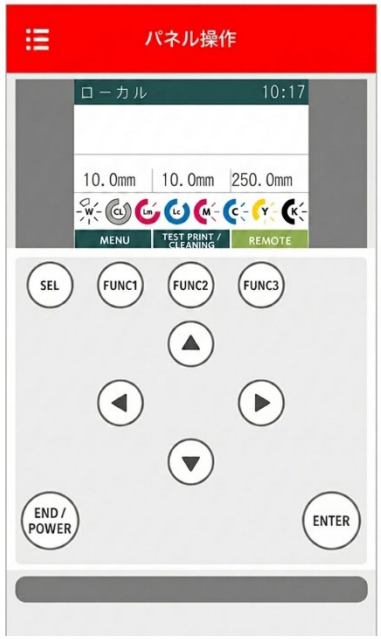
Based on machine error information, we can predict the cause of the problem, enabling faster and more precise support.

Mimaki Cloud Technology PICT

MRA(Mimaki Remote Access)

MRA(Mimaki Remote Access)

This tool enables remote access to retrieve information and control the Mimaki printer or plotter from a different location.



Here is what you can do on a PC or smartphone with MRA installed.

・Monitoring the status of printers and plotters from a distance.

・Conducting operations remotely that can only be performed at the printer or plotter's installation site.

・Displaying all panel information at once.

Other Features

Options

	Code	Product number	Remarks
1	OPT-J0216	Vacuum unit（3φ-200）	Same as JFX200EX/JFX600
2	OPT-J0217	Vacuum unit（1φ-200)	Same as JFX200EX/JFX600
3	OPT-J0232	Vacuum unit（3φ-400)	Same as JFX200EX/JFX600
4	OPT-J0570	OP blower unit connection kit	Same as JFX600-2531
5	OPT-01041	OPT PATLITE	New
6	OPT-01047	OPT Ionizer Main Unit×2（Mounting BKT Separately)	Same as **JFX600** *1
7	OPT-01048	OPT Ionizer Mounting BKT(For JFX220)	new

*1 The OPT-J0527 ionizer is not compatible with the JFX220 model; it is only supported for the JFX600.

Supplies

	Code	Product number
1	SPC-0527	Stick Set for Head Cleaning 50 pcs
2	SPA-0189	Head filter replacement kit
3	SPA-0193	Wiper replacement kit
4	SPA-0197	Waste Ink Tank SL
5	SPC-0755	COTTON CIEGAL
6	SPA-0208	Tungsten replacement needle for ionizer
7	SPA-0209	Air filter kit
8	SPA-0232	Bottle tightening jig kit
9	SPA-0237	Electrode Needle cleaning KIT
10	SPA-0238	Filter for Electrode Needle cleaning KIT
11	SPA-0239	Inside electrode wall cleaning KIT
12	SPA-0240	Replacement Filter for the Electrode Inner Wall Cleaning Kit

	code	Product number
13	SPC-0768	RF ABSORBER (Flushing Filter)
14	SPC-0819	MIST FILTER SET
15	SPC-0820	Filter Set For Bottle Wiping 4 sheets
16	SPA-0351	Hard wiper kit
17	SP-01039	220 Positioning Pin Kit
18	SP-01040	Cap B12 Packing Assy
19	SP-01042	220 UV LED Glass L Assy
20	SP-01043	220 UV LED Glass R Assy
21	SP-01044	220 UV LED Filter Assy
22	SP-01045	220 Replacement tube for Air Purge Jig(5 pieces)
23	SP-01046	220 Air Purge Jig

: New options/supplies for the JFX220-2515

System Configuration

〈Printer〉



Ethernet
1000BASE-T

Connection

〈 RIP PC 〉



Recommended system for PC

OS	Windows®11 Pro 64bit
CPU	Up to Intel® Core™ i5-10500K (3.0Hz)
Memory	8GB
HDD	At least 1TB of free space (NTFS format)
Interface	Ethernet Port

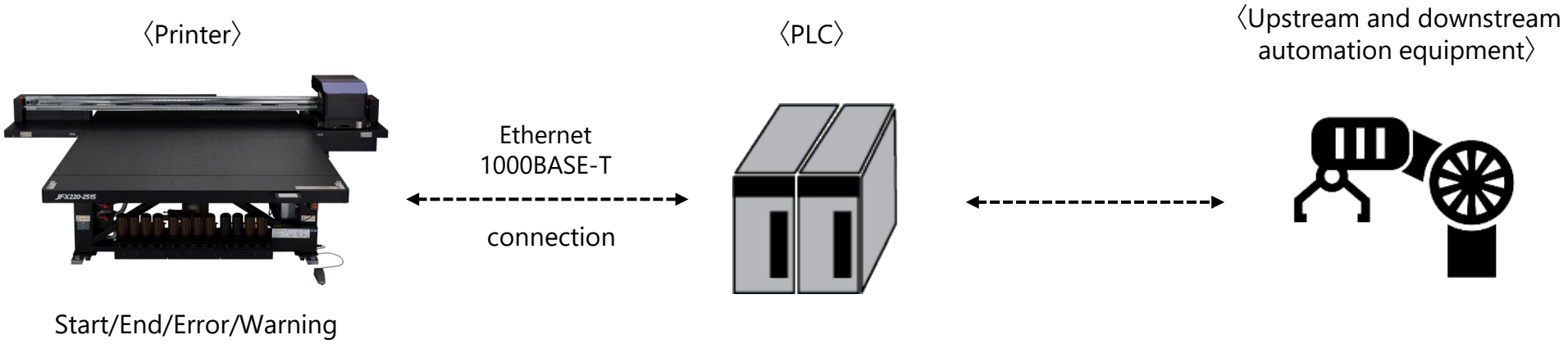
Genuine RIP Software

RasterLink8 RL

For instructions, please refer to the RL8 Product Guide.

MDL commands / Job Controller

You can control the printer from external systems using MDL commands and manage jobs using Mimaki Job Controller.
Related documentation can be downloaded from the Mimaki website.



※Before using MDL commands or Mimaki Job Controller, please refer to the MDL command guide included in the SDK.
※Please note that any malfunctions caused by the use of MDL commands may not be covered by warranty.

Recommended System Requirements

Model	Width	Depth	Height	Weight
JFX220-2515	4,400mm	2,520mm	1,490mm	920kg

■Installation environment

Operating temperature: 15～30℃

Relative humidity: 35～65%Rh

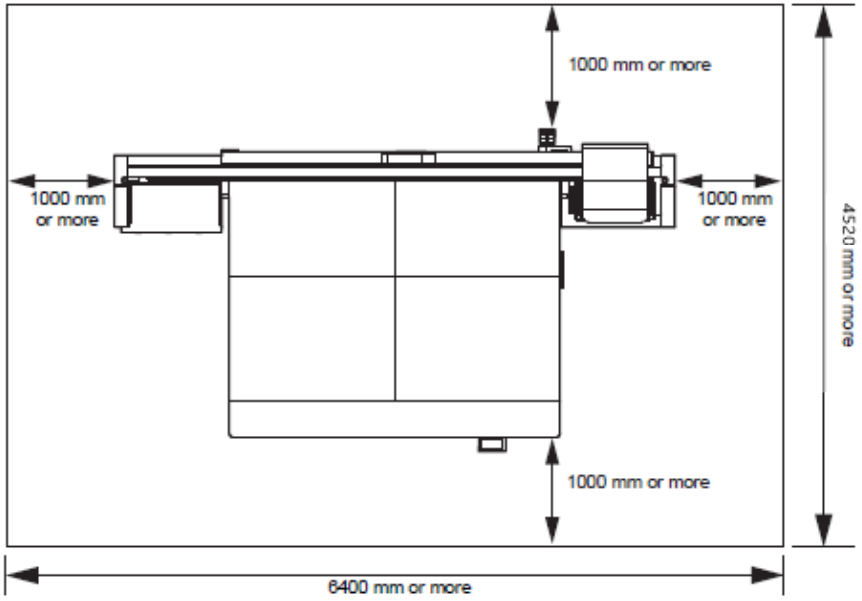
Temperature for guaranteed accuracy: 20～25℃

Temperature gradient: ±10°C/h or less

Dust level: Equivalent to a standard office environment

■Notes on installation

1. Do not install on weak flooring such as an OA floor.
2. Use in an air-conditioned environment.
3. void carpeted locations, as static electricity may affect print quality.
4. Use in a well-ventilated area, as ink odor may be generated.
5. Use a foot base to help prevent floor deformation.



JFX220・JFX200EX Feature comparison

Feature		JFX220-2515	JFX200-2513EX
Useability	Vacuum	Non-segmented	2-Segmented
	Lay-out pins	Automatic/manual	Manual
	Operation method	Touch panel operation	Bottom operation
	LED UV Unit	Automatic	Manual
Special color		Lc, Lm, Fp, Fy	Lc, Lm
Productivity of Production mode	4C+SP	21.0㎡/h	18.0㎡/h
	4C×2	42.0㎡/h	-
	6C+SP	10.5㎡/h	9.0㎡/ h
Value-added printing functions	LD mode	LD1, LD2, LD3, LD4	-
	2.5D Texture Maker	Up to 4mm	Up to 0.5mm
	Braille printing	JIS.ADA/Standard/High-speed	JIS.ADA/Standard/High-speed
Stability	DAS2	Supported	-
	MAPS	MAPS4,5	MAPS2
	MCT	Supported	Supported
	NRS/NCU	Supported	Supported

Basic specifications

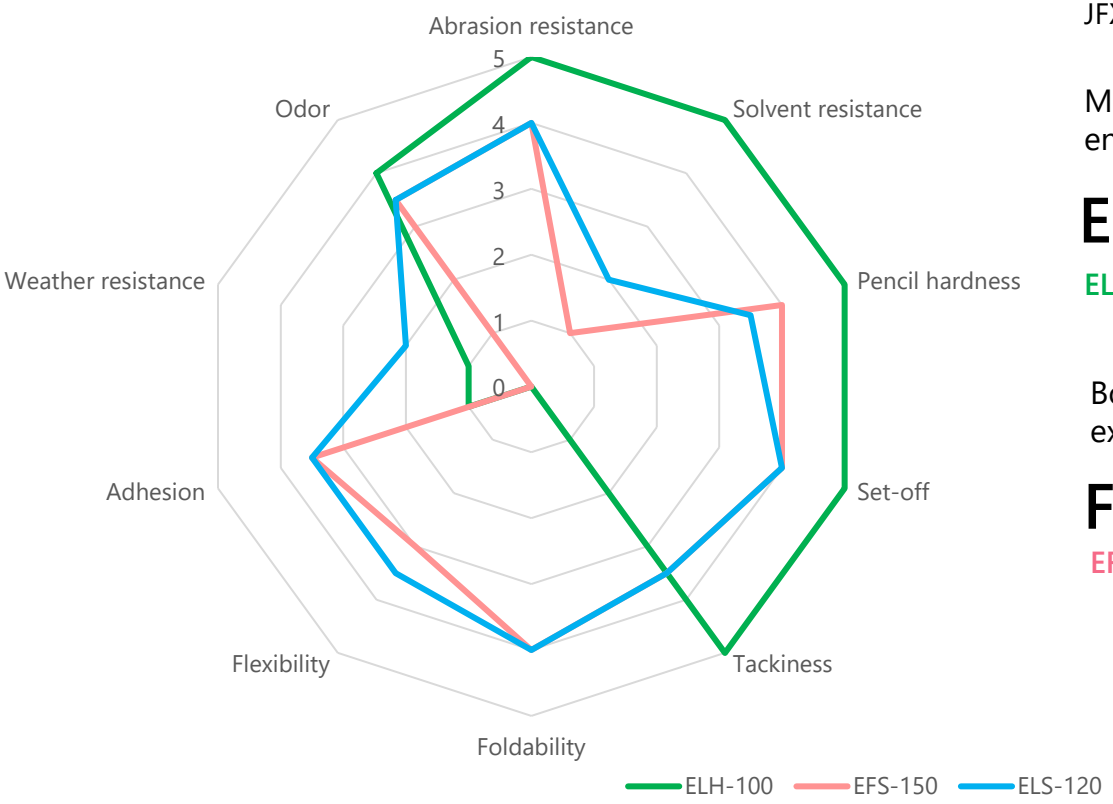
Model		JFX220-2515	JFX200-2513EX
Print head		4 on-demand piezo heads staggered arrangement	3 on-demand piezo heads staggered arrangement
Print resolution		Y: 300、600、1,200 dpi X: 300、450、600、900、1,200 dpi	
Ink types		ELH-100, ELS-120, PR-200, EFS-150	LH-100, LUS-120, LUS150, LUS-350, LUS-211, ELH-100, ELS120, PR-200
Ink configuration		CMYK CMYK, CMYK+WClPr, CMYKLcLmFyFp+WClPr	CMYK+WClPr, CMYK+WCL, CMYK＋4W*1, CMYKLcLm+WCl
Ink bottle capacity		1L / 250cc	
Media	Maximum print area	2,500 x 1,500mm	2,500x1,300mm
	Maximum vacuum hold-down media size	2,500 x 1,930mm	2,500x1,300mm
	Media height	Up to 101.6mm (4 inch)	Up to 50 mm
	Media weight	50kg/㎡ or less	
Vacuum system		Blower vacuum system + standard foot switch	
	Vacuum area divisions	25mm pitch suction holes	2-segmented vacuum (X direction)
UV curing unit		Air-cooled LED-UV curing unit	Water-cooled LED-UV curing unit
Waste ink handling		Bottle type(2600cc), sensor compatible	Bottle type(2600cc)
Interface		Ethernet1000BASE-T	USB2.0, Ethernet 1000BASE-T
Power supply		Single-phase AC200-240±10% 12A or less Single-phase AC200-240±10% 10A or less	Single-phase AC200～240V 12A or less
Power consumption		INLET1: 2.88kVA or less, INLET2: 2.33kVA or less	2.88kVA
動作環境	Operating temperature	15-30°C (59～86°F)	
	Relative humidity	35～65%RH（non-condensing）	
	Temperature for guaranteed accuracy	20～25°C (68～77°F)	20～25°C (68～77°F)
	Dust level	Equivalent to a standard office environment	
Dimensions (WxDxH)		4,400×2,520×1,490	4,400×2,450×1,250
Weight		920kg	650kg

*1 only available with OPTJ0499

Ink Performance

Ink Performance

A radar chart of different ink types [*1]



JFX220-2515 supported ink

Maintaining the performance of LH/LUS inks, while being more environmentally friendly and operator-friendly

ELH/ELS inks

ELH-100, ELS-120

Both eco-friendly and operator-friendly, it enables even more vivid expressions

Fluorescent inks

EFS-150

[*1] These are internal evaluation results and do not guarantee accuracy.

Ink Performance

Abrasion resistance / Flexibility / Solvent rub resistance / Solvent immersion resistance

		ELH-100		ELS-120		EFS-150	
		Color-only	PR-200	Color-only	PR-200	Color-only	PR-200
Abrasion resistance※1	Pencil hardness※2	5H	2H	2H～H	HB～B	3H	H～HB(予測)
Flexibility	Elongation	100%		170%		150%	
Solvent sub resistance※3 (Rubbing Test)	Water	○		○		○	
	Ethanol	○		△		△	
	IPA(100%)	○		×		×	
	[Evaluation Criteria] ○: No peeling occur / △: Peeling occurs at low solvent concentration/ ×: Peels immediately						
Solvent immersion resistance※4 (Immersion test)	Water	×	△	○		○	
	Hot water(60°C)	×	×	△		○	
	Ethanol (100%)	○	○	××		△	
	[Evaluation Criteria] ○: No peeling occur / △: Partial peeling / ×: Peeling occurs after some time ××：Peels immediately after immersion（3 minutes in Ethanol, xylene）						

Note 1: Abrasion resistance tends to depend on the hardness of the cured film.
Note 2: If the printed surface or the print edge is rubbed with a fingernail, the pencil hardness value can be used as a reference for whether the film will remain intact or peel off.
Since fingernail hardness is approximately around **H**, it is effective to select an ink with a hardness of **H** or higher. However, this does not apply to substrates with poor adhesion.
Note 3: Scoring is based on the combined results of the primary, secondary, and tertiary colors.
Note 4: When UV ink is printed on substrates with poor adhesion, water or solvent may penetrate from the print edge and cause peeling more easily. Please refer to the ELH/ELS Ink Guide for details.

Ink Performance

Adhesion comparison

Substrate category	Material		ELH-100		ELS-120		EFS-150	
			Color-only	PR-200	Color-only	PR-200	Color-only	PR-200
Resin	Polycarbonate		○	Adheres with color alone ※1	○	Adheres with color alone ※1	○	Adheres with color alone ※1
	Polystyrene		○		○		○	
	ABS		○		○		○	
	Easy-adhesion PET	HK31WF	○		○		○	
		U292W	○	○	○		○	
	Acrylic		×	○	×	○	○	○
	Glass epoxy		×	○	×	○	×	○
	6-nylon		×	○	×	○	×	○
	PP/PE		×	×	×	×	×	×
Inorganic	Glass		×	○	×	○	×	○
Metal	SUS		×	○	×	○	×	○
	Aluminum		×	○	×	○	×	○
	Copper		×	○	×	○	×	○
	Brass		×	○	×	○	×	○
Surface-treated	Nickel		×	○	×	○	×	○

Note 1: No primer is required. In some cases, adhesion may be reduced when a primer is used together with color-only adhesion. The adhesion tests above were evaluated according to our internal standards and are not guaranteed. Even when using the same type of substrate, the results may differ depending on the manufacturer and material type. We strongly recommend performing a test in advance. For details, please refer to the ELH/ELS Ink Guide.

Ink Performance

Outdoor Durability of Fluorescent Ink

Fluorescent ink color can fade quickly when exposed to UV light, including sunlight, both indoors and outdoors. For this reason, it is best suited for indoor environments, where it is less likely to be subjected to UV exposure.

- Under the fluorescent lights indoors



Right after printing



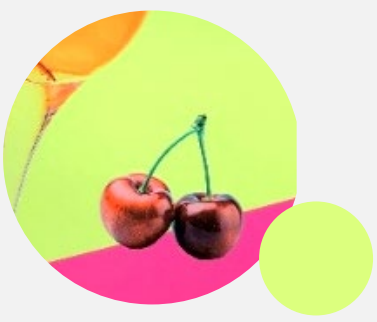
After 408 hours have passed

Even after more than two weeks,
there has been almost no change in color.

- By the window indoors



Right after printing



After 72 hours have passed

By the third day, the color has noticeably faded.

Please note that color bleeding may occur at color boundaries, depending on the image and printing conditions. If you observe any bleeding, **increasing the number of passes can help enhance the final result.**

Model: UJF-6042MK II
Print Settings: 600 × 900 dpi / 12 passes
Media: PVC, Avery MPI2002