



Glass award



Wooden blocks



Package



Wedding welcome sign board



Metal key chain



Customized toy car



Smartphone case



Personalized stationery



Plastic business card/ID card



Metal directory and floor plan

Direct printing on a wide range of materials including plastic, acrylic and metal
UJF-3042MkII and UJF-6042MkII expand creative possibilities

Specifications

UJF-3042MkII		UJF-6042MkII	
Printhead		On-demand piezo printhead (3 printheads arranged in a staggered line)	
Print resolution		Maximum: 1200 x 1200 dpi	
Maximum printable area		Width : 300 mm Length : 420 mm (A3 size)	Width : 610 mm Length : 420 mm (A2 size)
Ink	Type/Color	LH-100 (C,M,Y,K,W,Ci) LUS-120 (C,M,Y,K,W,Ci) LUS-150 (C,M,Y,K,W)※1 PR-200 (Primer)	LH-100 (C,M,Y,K,Lc,Lm,W,Ci) LUS-120 (C,M,Y,K,Lc,Lm,W,Ci) LUS-150 (C,M,Y,K,Lc,Lm,W)※1 PR-200 (Primer)
	Packaging	250 ml bottle (*2) / 1 L bottle	
Media	Thickness	153 mm (6 inch) or less	
	Weight	5 kg (11 lb) or less	8 kg (17.7 lb) or less
Certifications		VCCI class A / FCC class A / ETL UL 60950-1 / CB / CE Marking (EMC, Low voltage, Machinery directive, and RoHS)/ REACH / Energy Star / IEC60825-1	
Interface		Ethernet / USB2.0	
Noise level		Standby mode: 55 dB or less (FAST-A, measured 1 m away from the source at front, back, right and left sides.) Continuous operation: 65 dB or less Discontinuous operation: 70 dB or less	
Power supply		Single-phase AC100-240V, ±10%, 50/60Hz ±1Hz	
Power consumption		800 W or less	
Operational environment	Temperature	20 - 30 degC (68 - 86 degF)	
	Humidity	35 - 65 %Rh	
	Recommended Temperature	20 - 25 degC (68 - 77 degF)	
	Acceptable range of temperature change	±10 degC (±50 degF)/h or less	
Dust level		Equivalent to a general office floor level	
RIP software		RasterLink6 (Bundled)	
Dimensions (W×D×H) ※3		1,355 mm x 1,290 mm x 856 mm (53.4 in x 50.8 in x 33.7 in)	1,665 mm x 1,290 mm x 856 mm (65.6 in x 50.8 in x 33.7 in)
Weight		135 kg (297.6 lb)	150 kg (330.7 lb)

*1: LUS-150 ink will be loadable in the future. *2: Available in the future. *3: Heights of ink bottles are not included.

Supplies

Item	Item No.	Note
LUS-120	Cyan	LUS12-C-BA
	Magenta	LUS12-M-BA
	Yellow	LUS12-Y-BA
	Black	LUS12-K-BA
	Light cyan	LUS12-LC-BA
	Light magenta	LUS12-LM-BA
	White	LUS12-W-BA
LH-100	Cyan	LH100-C-BA
	Magenta	LH100-M-BA
	Yellow	LH100-Y-BA
	Black	LH100-K-BA
	White	LH100-W-BA
Clear		LH100-CL-BA
IJ primer PR200	PR200-Z-BA	1L bottle
Flushing liquid 07	FL007-Z-BA	1L bottle

Option

Item	Item No.	Note
UJF-3042/6042MkII		
Installation stand	OPT-J0420	
Ventilating fan unit	OPT-J0424	
UJF-3042MkII		
Ionizer unit 30	OPT-J0414	
Vacuum table 30	OPT-J0421	
Status indication lamp unit	OPT-J0423	Indicating lamp (QTY:1) Emergency stop switches (QTY:2)
NCU option	OPT-J0422	
UJF-6042MkII		
Ionizer unit 60	OPT-J0415	

Please note that descriptions and data in this brochure are as of September 1st, 2016 and subject to change.

User friendly RIP "RasterLink6" as a standard feature

RasterLink6

- ◆ More beautiful and advanced print results are achieved by following a user-friendly interface that is easy to operate.
- ◆ Color replacement function enhances the ability to re-create printed images.
- ◆ Print color can be simulated on Illustrator / Photoshop without an actual print.
- ◆ This function requires MPM2 (Mimaki Profile Master 2).

<Supports Web update function>

- ◆ Program update and profile download can be easily performed via internet.

Inks and substrates:

- Please note that properties and adhesion, weather resistance etc. of ink and substrates can vary. Therefore please test materials before printing.
- Some substrates require primer before printing. Please test materials beforehand or ask your sales representative.

Safety notice:

- The UV radiation producing device is installed to this product. To protect your health, please follow below guidelines strictly:
- 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 read the instructions and guidelines of the manual carefully and follow those.

● All trademarks or registered trademarks are the property of their respective owners. ● Descriptions and data in this brochure are subject to change without notice. ● Some of sample images in this brochure are simulated. ● The printhead ejects extremely fine dots for printing, and therefore printed colors may vary after replacing the printheads. ● When using multiple printer units, printed colors would be different slightly because there is a slight difference among those units.

Mimaki MIMAKI ENGINEERING CO., LTD.
mimaki.com 2182-3 Shigeno-otsu, Tomi-city, Nagano 389-0512, Japan
Tel: +81-268-78-2288 trading@mimaki.jp

Mimaki Global Network

USA	MIMAKI USA, INC.	Europe	MIMAKI EUROPE B.V.
Brazil	MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA	Indonesia	PT. MIMAKI INDONESIA
India	MIMAKI INDIA PRIVATE LIMITED	Australia	MIMAKI AUSTRALIA PTY. LTD.
Taiwan	MIMAKI ENGINEERING (TAIWAN) CO.,LTD.	China	SHANGHAI MIMAKI TRADING CO.,LTD.
Singapore	MIMAKI SINGAPORE PTE. LTD.		

For
INDUSTRIAL
PRODUCTS

Flatbed UV-LED Inkjet Printer

Mimaki

UJF-3042 MkII

UJF-6042 MkII



Creating More Value



Creating More Value



Direct printing on objects up to A3 or A2 size and 153 mm thick

The best-in-class productivity delivers effective on-demand print production

The UJF-3042MkII and the UJF-6042MkII models achieve a maximum print speed of 2.48 m²/h (*1) and 3.52 m²/h (*2). The best-in-class productivity exhibits an approximately 120% (*3) faster print speed than that of conventional models and support on-demand print production. Staggered printhead arrangement allows printing process and spot colors simultaneously. (*4)

*1: 39 A4 size images per hour / Print conditions: 4-color, draft mode, 600 × 600 dpi, 8Pass
*2: 55 A4 size images per hour / Print conditions: 6-color, draft mode, 600 × 600 dpi, 8Pass
*3: When printing is performed with the standard mode.
*4: Dependent on the ink-setting; simultaneous printing might not be possible in every case.
A4 size: : 210 x 297 mm (8.27 x 11.7 in)

1. Process color printing

Print mode	Resolutions	Pass	Print speed (m ² /h)	Printing time per A3 size
Draft	600×600	8	2.48	3min. 03sec.
High-speed	600×900	12	1.62	4min. 40sec.
Standard	600×1200	16	1.22	6min. 12sec.
High-quality	1200×1200	16	0.89	8min. 27sec.

2. Color + Spot color simultaneous printing

Print mode	Resolutions	Pass	Print speed (m ² /h)	Printing time per A3 size
Draft	600×600	8	2.08	3min. 38sec.
High-speed	600×900	12	1.44	5min. 14sec.
Standard	600×1200	16	1.12	6min. 46sec.
High-quality	1200×1200	16	0.69	10min. 55sec.

3. Color + White simultaneous printing with the high-dense mode

Print mode	Resolutions	Pass	Print speed (m ² /h)	Printing time per A3 size
Draft	600×600	8	1.88	4min. 01sec.
High-speed	600×900	12	1.33	5min. 40sec.
Standard	600×1200	16	1.03	7min. 21sec.
High-quality	1200×1200	16	0.62	12min. 14sec.

A3 size: 297 mm × 420 mm (11.69 in × 16.54 in)

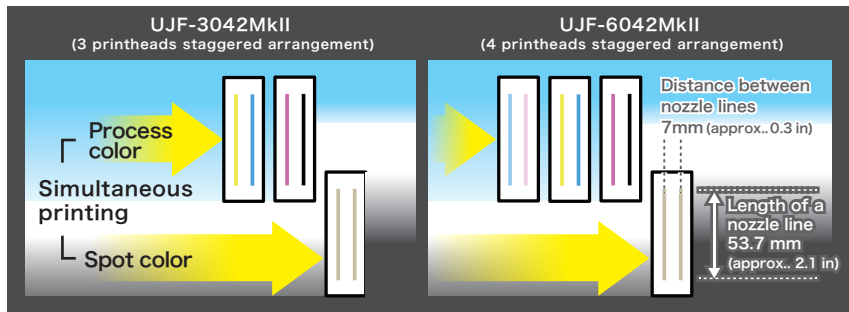
Staggered printhead arrangement allows printing process and spot colors simultaneously*

636 nozzles per printhead
(318 nozzles per each nozzle line)

* Dependent on the ink-setting; simultaneous printing might not be possible in every case.

Approximately

120%
faster print speed than
conventional models *3



* Illustration of process and spot color printing

High-performance UV-curable inks expand the range of applications

Flexible **LUS-120** ink can print on soft materials such as leather or TPU

The flexible LUS-120 ink stretches up to 170% and delivers beautiful and durable print results on soft materials including leather or polyurethane. Ideal applications of the LUS-120 ink are membrane switches or wallet smartphone cases that must be pressed or folded.



Flexible **LUS-150** ink has excellent adhesion to acrylic

The LUS-150 ink stretches up to 150% and delivers vibrant color representation. In addition to its use on soft materials, this ink adheres very well to rigid materials such as glass or acrylic. Examples of ideal applications are indoor signs or trophies.



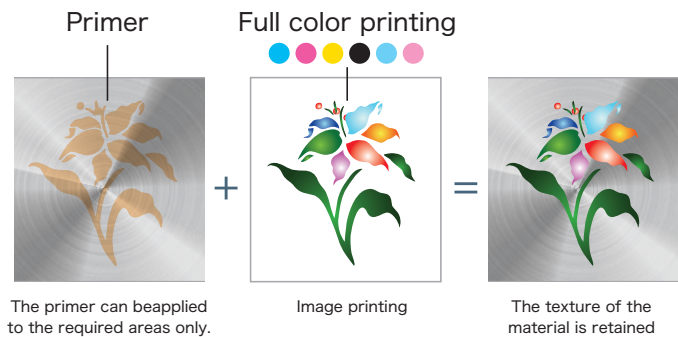
* This LUS-150 ink will be loadable in the future.

Inkjet primer increases ink adhesion

PR-200 is a primer that is used to increase ink adhesion to materials when the ink adhesion is low. This primer can be used for a range of materials including plastic, glass and metal, even on treated surfaces.

Automatic primer application by ink jetting

The primer can be applied to the required areas by ink-jetting. This feature retains the texture of the material, which is not possible with manual primer application.

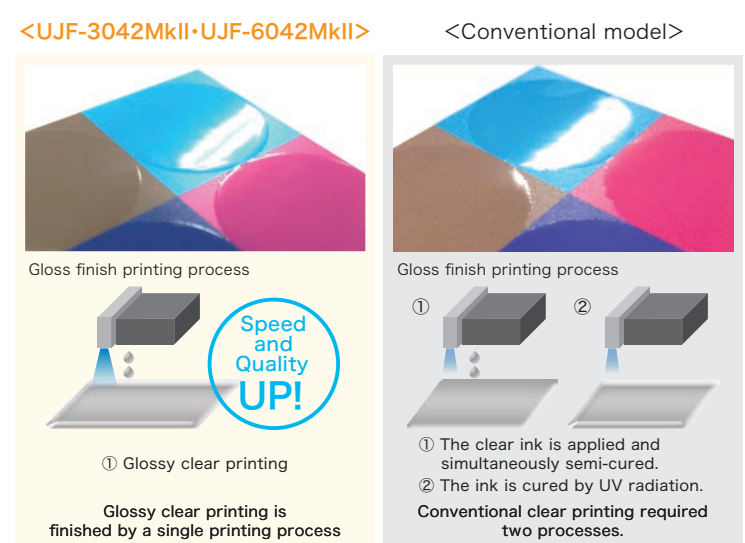


Rigid **LH-100** ink features high scratch-resistant
Ideal for decorative printing on small items

The LH-100 ink features high scratch-resistant, and has excellent color reproducibility. Ideal applications are smartphone cases, key fobs and toys.



The **clear ink** offers valuable new print effects



Mimaki clear control (MCC) has been newly added to the UJF-3042/6042MkII models. In order to minimize dust adhesion and air bubbles on the print, MCC shortens the ink curing time by processing the clear ink print and UV-light irradiation simultaneously. MCC provides a gorgeous gloss finish.

Various print effects with the clear ink

<Gloss finish>

The finish appearance is like glossy photo finish. Suitable for full-surface or spot varnish printing.



<Matte finish>

Matte finish provides soft appearance. It is used for texture printing or can change glossy surface to matte.

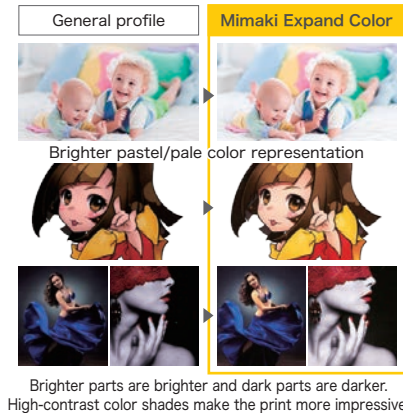
<Embossed print>

Embossed finish is possible by printing the clear ink several times on desired area. This effect can create dimensional appearance and texture.

Mimaki's unique techniques provides more beautiful print

Mimaki **Expand Color** improves color representation

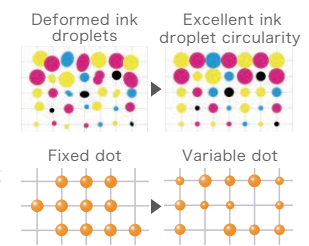
The new input profile, Mimaki Expand Color, is added to Mimaki genuine RIP software, RasterLink6. This profile enables representing more vibrant solid colors and brighter skin tones than a conventional input profile and provide more attractive print results with high-contrast color shades; bright parts are brighter and dark parts are darker.



Waveform control and variable dot printing achieve smooth and quality print image

Each ink color has its own specific gravity and viscosity. To achieve a precise placement of ink droplets onto the media, Mimaki has designed an optimum waveform control technique that allows the printhead to jet each ink color at an optimum angle, maintaining excellent ink droplet circularity. Thanks to precise ink droplet landing, three different droplet sizes (5 pl to 22 pl *) are properly used for providing optimum print results.

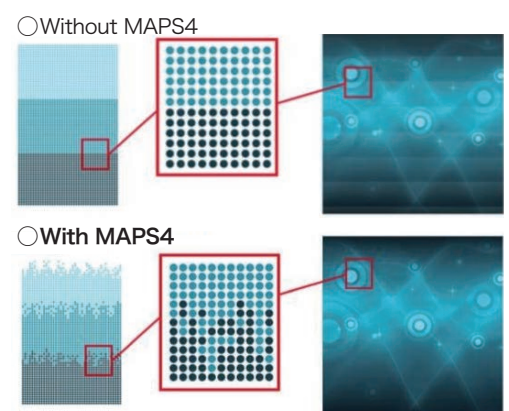
* The maximum droplet size is 27 pl when using white high-dense mode.



Mimaki **Advanced pass System 4 (MAPS4)**

minimizes banding and uneven color printing

Generally, swath boundaries are straight lines. Therefore, a slight misalignment between boundaries causes banding or uneven color printing. MAPS4 reduces banding and uneven color printing with blurred boundaries similar to gradation printing according to print conditions including media/ink type and resolutions.



Ink supply unit

Bottled inks can be set in the unit. This feature reduces operational cost.

Advanced mechanical structure assists value-added print products

Printable thickness is up to 153 mm

Fully covered print table

The fully covered print table improves the safeness of the printer. It also maintains print quality by reducing dust adhesion.

Direct printing on objects of up to 153 mm in thickness.

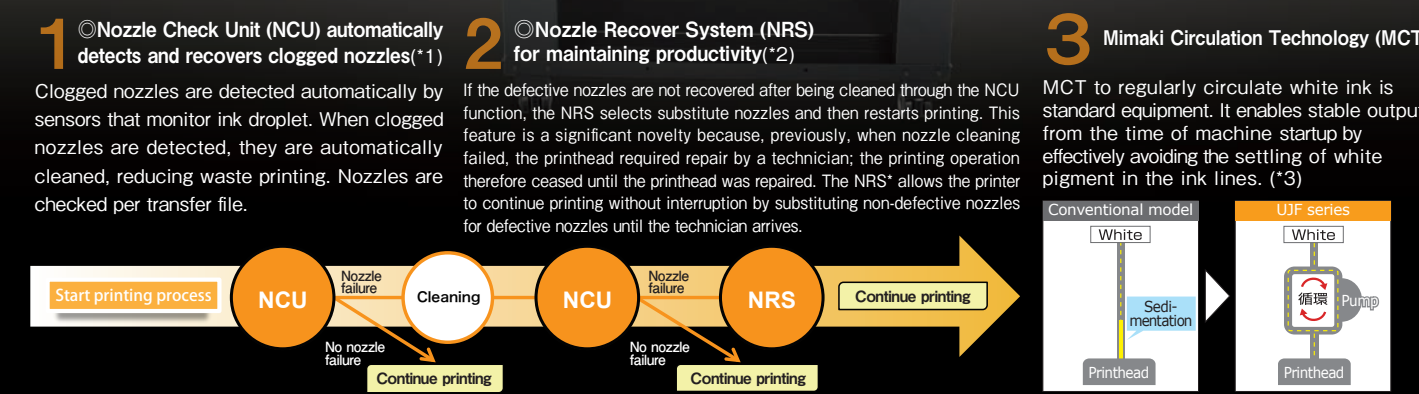
Operation panel

3.45-inch (52.56 × 70.08 mm) color liquid crystal display provides useful information and allows easy setting and operation.

Table-driven printing

To achieve higher positional accuracy, the vibration of the printer unit is reduced by using table-driven printing.

Nozzle trouble avoidance features



*1: NCU is a standard feature of UJF-6042MkII, and an optional feature of UJF-3042MkII. *2: NRS may not be activated depending on print modes. *3: MCT works only with white ink.