

UJF-6042

UV PRINTER



A2 format UV LED flatbed printer...

IP

INDUSTRIAL
PRODUCTS



eco

Mimaki

The world imagines... Mimaki delivers



the power to

create...

Mimaki

Ultra high quality A2 flatbed LED UV printer

Building on the success of the UJF-3042 series, the new UJF-6042 now offers all the benefits of the smaller UJF-3042 in a larger A2 format version with even greater versatility and spectacular photo-quality print reproduction onto an almost limitless range of materials, objects and substrates. UJF-6042, with its larger print area opens up a whole new world of possibilities for the end-user in the higher volume production market, where even higher quality is demanded.

UJF-6042 delivers ...

- Outstanding print quality of up to 1800 x 1800 dpi
- A2 format flatbed to accommodate more varied materials
- Direct printing on substrates up to 150 mm thick
- Variable data and imprint capabilities
- Simultaneous printing of colour and white
- 8 ink slots for various ink configurations
- White ink and clear varnish
- Automatic primer application function

UV LED CURING
600 x 420 mm MAX. PRINT AREA
1800 x 1800 dpi MAX. RESOLUTION
MAX. MEDIA THICKNESS 150 mm
VARIABLE DATA PRINTING

UJF-6042
UV PRINTER

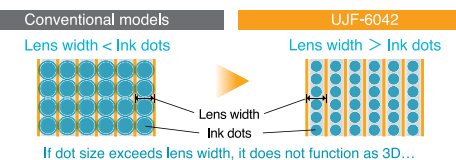


ADDITIONAL FEATURES ... Special finishes provide added value to your prints

'3D Lenticular' achieved by high definition print

The UJF-6042 can discharge minimum 4 pl ink dots in 1,800 x 1,800 dpi, enabling lenticular printing by 3D lens of 100 lpi which has previously been difficult for existing digital printers to achieve.

* lpi = line per inch * For 3D lenticular printing, dedicated software for data creation and 3D lens are required separately.



'Etching process' creates unique textures on metals

Etching is a surface treatment which utilises the corrosive action of metal, through chemicals. The area which should not be corroded is covered with a mask of UV ink. Then the substrate is immersed into the corrosion solution to be corroded. With such treatment, you can achieve high quality textures, and permanent engraving.

Innovative imprinting function supports variable data input

UJF-6042 is equipped to imprint variable data such as photographs, images, texts, bar codes, numberings and QR codes by reading them from a CSV format database created by Microsoft Excel®, etc.

* To be supported by Raster Link 6 program update.

Create ... 3D lenticular items, photo albums, personal ID. cards & badges, promo gifts, display cards & signage, control panels, pens, stationery, key rings, gift boxes, USB sticks, phone cases, bottles & more...

KEY TECHNICAL FEATURES ...

Ultra-high photo quality reproduction

The new high precision conveyance mechanism enhances the accuracy of the ink drop placement onto the substrate.

The UJF-6042 incorporates a **unique ball screw type** head conveyance mechanism normally found only in high-end machines. This improves the accuracy of the ink drop onto the substrate, which substantially prevents bandings.

Furthermore, a high resolution print mode of **1,800 x 1,800 dpi** has been added to achieve highly precise printing output.

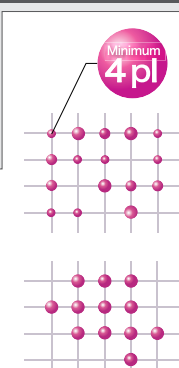


Unique head control for beautifully smooth print gradations

Variable drops function provides 3 different drop sizes at once. The minimum size is **amazingly 4 picolitre** and ensures a photographic type image offering smooth gradation patterns and brilliant transitions of many colour layers even in the 4-colour mode.



4 pl variable drops make difference. Excellent gradation and hypochromic effect.



3 types of UV inks

- **LH-100** hard UV ink excels in scratch and chemical resistance as well as colour reproduction. (CMYK, W, Cl, Pr)
- **LF-200** flexible UV ink enables stretching of ink up to 200% during post-processing work. (CMYK, W)
- **LF-140** offers strong gradation in 6-colour printing and is more flexible than LH-100. (CMYK, Lc, Lm, W, Pr) *

* LF-140 ink set does not include clear ink. You can use a combination with LH-100 clear ink

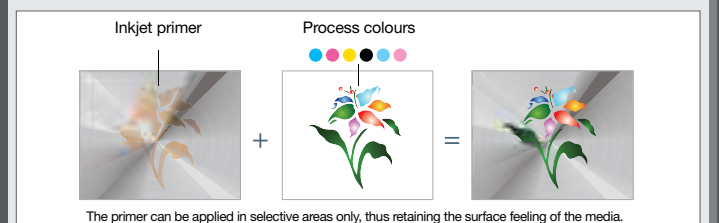
Other useful functions

- **Eco-cartridges**
Choosing the eco-cartridge method can help to deliver a reduction in both waste and cost of ink. Eco-cartridges can be repeatedly used by changing spent ink packs.
- **Nozzle Recovery Function**
This function temporarily restores print quality, reducing potential downtime if maintenance issues should arise.
- **Mimaki Circulation Technology (MCT)**
This is a newly developed white ink circulation system that prevents pigment sedimentation and reduces ink waste.

Automatic primer application functionality

Incorporating an automatic primer feature, the new inkjet primer cartridges are simply inserted into the corresponding ink slot of UJF-6042, enabling the primer to specifically target the print image area only.

* When printing with primer and white or clear ink, production speed is reduced by approximately 50%. Please always test your intended materials before using primer.



Sophisticated RIP software maximizes the performance of UJF-6042



Additional useful functions

User friendly RIP key features

- Easy to follow icons enable intuitive and user-friendly operation
- Related settings feature in one window to simplify RIP operations, with 'Register as Favourite' option available for regularly used layouts
- Printing progress can be monitored on the main screen

1. JIG & Template function

Registration of templates is achieved through a 'JIG layout function' parameter in RasterLink 6, allowing the designed image to be placed inside the template layout procedure and accurately positioned for print setup and registration of image file.

2. Imprinting function supports variable data input

Using MS Excel, the operator can import variable data, images and alphanumeric files from spreadsheets or CSV files, to be included in the print. This facility even enables barcodes and QR codes to be printed on items.

3. Web update function

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

Specifications

Item		UJF-6042
Head		On-demand Piezo head
Print resolution	Y axis	720 dpi. 1,440 dpi. 1800 dpi
	X axis	600 dpi. 900 dpi. 1,200 dpi. 1,800 dpi
Ink	Type	LH-100 (C/M/Y/K/W/Cl) LF-140 (C/M/Y/K/Lc/Lm/W) LF-200 (C/M/Y/K/W)
	Supply system	220 ml cartridge / 600 ml ink pack
	Ink circulation	White ink circulation by MCT (Mimaki Circulation Technology)
Maximum print size (W × D)		610 × 420 mm (24.0" × 16.5")
Media	Size (W × D)	610 × 420 mm (24.0" × 16.5")
	Height	Less than 150 mm (5.9")
	Weight	Less than 7 kg (15.4 lbs) / When using a height adjuster, less than 4 kg (8.8 lbs)
Media suction		Air suction by vacuum
Print accuracy	Absolute accuracy	± 0.3 mm (0.01") or ± 0.3 % from specified print distance
	Repeatability	± 0.2 mm (0.01") or ± 0.1 % from specified print distance
UV unit		Equipped with UV LED (Light Emitting Diodes)
	Lifetime*	About 10,000 hours
Interface		USB2.0
Applicable standard		VCCI class A, FCC Class A, CE Marking, RoHS Directive, REACH Regulation
Power specifications		AC100 V ~ AC240 V (Automated voltage conversion), 50 / 60 Hz
Power consumption		Less than 450 VA
Operational environment	Temperature	20 °C ~ 35 °C (68 °F ~ 95 °F)
	Humidity	35 ~ 65 % Rh
	Temperature accuracy	20 °C ~ 25 °C (68 °F ~ 77 °F)
	Temperature gradient	Less than ± 10 °C/h (± 18 °F/h)
	Dust	Equivalent to normal office level
Dimensions (W × D × H) / Weight		1,510 × 966 × 960 mm (59.4 × 38.0 × 37.8") / 150 kg (330.7 lbs)

* Reference value. There is no guarantee as to the lifetime.

Safety Notice

You are dealing with UV light sources that may harm 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 emittance from printed parts not yet cured and hardened.
- Please read and follow the instructions and guidelines of the manual carefully.

• Some of the samples in this folder are artificial renderings • Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.)
• The corporate and merchandise names written on this folder are the trademark of the respective corporations • Inkjet printers print using extreme fine dots, so colours may vary after replacement of the printing heads, also note that if using multiple printer units, colours could vary slightly from one unit to other unit due to slight individual differences • Compositor's errors reserved

Supplies

Item		220 ml cartridge Item No.	600 ml ink pack Item No.
LH-100	Cyan	SPC-0659-C	SPC-0597-C
	Magenta	SPC-0659-M	SPC-0597-M
	Yellow	SPC-0659-Y	SPC-0597-Y
	Black	SPC-0659-K	SPC-0597-K
	White	SPC-0659-W	SPC-0597-W
LF-140	Cyan	SPC-0727-C	SPC-0728-C
	Magenta	SPC-0727-M	SPC-0728-M
	Yellow	SPC-0727-Y	SPC-0728-Y
	Black	SPC-0727-K	SPC-0728-K
	Light Cyan	SPC-0727-LC	SPC-0728-LC
	Light Magenta	SPC-0727-LM	SPC-0728-LM
LF-200	White	SPC-0727-W	SPC-0728-W
	Cyan	SPC-0660-C	SPC-0591-C
	Magenta	SPC-0660-M	SPC-0591-M
	Yellow	SPC-0660-Y	SPC-0591-Y
	Black	SPC-0660-K	SPC-0591-K
	White	SPC-0660-W	SPC-0591-W
PR-100	IJ primer	SPC-0731	SPC-0732
Eco-cartridge (8 cases)			OPT-J0237

1. 600 ml ink pack requires eco cartridge (OPT-J0237). Eco cartridges can be used repeatedly by replacing ink packs.
2. Inkjet primer cannot be used in conjunction with LF-200 inks.
3. Clear ink is not available for LF-140 inks. However LH-100 clear ink can be used in combination with LF-140 inks.

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.

Mimaki is exclusively distributed in the UK & Ireland by:

Hybrid Services Ltd

N° 3, Gateway, Crewe, Cheshire. CW1 6YY

01270 501 900

info@hybridservices.co.uk

www.hybridservices.co.uk

@HybridServices

facebook.com/HybridServicesLtd

hybrid
Mimaki Exclusive Distributors

Mimaki

www.mimakieurope.com info@mimakieurope.com @MimakiEurope

Mimaki Europe B.V. Stammerdijk 7E, 1112 AA Diemen, The Netherlands Tel: +31 (0)20 4627640