Sophisticated RIP software maximizes the performance of UJF-3042 MkII and UJF-6042 MkII

UJF-3042 MkⅡ
UJF-6042 MkⅡ

User friendly RIP "RasterLink 6" comes as standard

RasterLink6

◆ More beautiful and advanced print results are achieved by following a user-friendly interface that is easy to operate.
◆ Colour replacement function enhances the ability to re-create printed images.
◆ Print colour can be simulated on Illustrator / Photoshop without an actual print.
   *This function requires MPM2/3 (Mimaki Profile Master 2/3).
◆ Program update and profile download can be easily performed via internet.

Ai **Ps** **CoreDRAW**

Works with PS, EPS, TIFF, BMP, JPEG etc

Specifications

Item		UJF-3042 MkII	UJF-6042 MkII
Head		On-demand Piezo head	
Ink	Type / colour	LH-100 (C, M, Y, K, W, Cl) LUS-120 (C, M, Y, K, W, Cl) PR-200 (Primer)	LH-100 (C, M, Y, K, Lc, Lm, W, Cl) LUS-120 (C, M, Y, K, Lc, Lm, W, Cl) PR-200 (Primer)
	Capacity	250ml / 1,000ml	
	Ink circulation	White ink circulation by MCT (Mimaki Circulation Technology)	
Resolution	Y-dpi	600, 1,200 *1	
	X-dpi	600, 900, 1,200	
Media jam / obstacle sensor		Laser beam	
UV unit		Air-cooling LED-UV x1	
Nozzle Check Unit (NCU)		Equipped	
Mist absorption fan		Equipped	
Table	Maximum print size	300mm x 420mm	610mm x 420mm
	Max media height	153mm	
	Max media weight	5kg *2	8kg *2
	Flatness accuracy	0.5mm	0.3mm
	Vacuum	Equipped	
	Media set	Origin right	
	Movement	Table	
	Cover	Full table cover	
Distance accuracy	Absolute	± 0.3mm or ± 0.3% of the distance, whichever is larger	
	Reproducibility	± 0.2mm or ± 0.1%, whichever is larger	
Noise		Standby: Below 55dB (FAST-A, measured 1m away from the source) Continuous operation: Below 65dB / Discontinuous operation: Below 70dB	
Standards		VCCI-Class A, FCC ClassA, ETL UL 60950-1, CE Marking (EMC Directive, Machine instruction, RoHS Directive, Low Voltage Directive), CB Report, RoHS compliance, REACH, Energy Star, IEC60825-1	
Power specification		Single-phase AC100-240V, ±10%, 50/60Hz ±1Hz	
Power consumption		Less than 800W	
Environment	Operational temperature	20 ~ 30°C	
	Relative humidity	35 ~ 65%Rh (Non condensing)	
	Accuracy guaranteed temperature	20 ~ 25°C	
	Temperature gradient	Within ± 10°C /h	
	Dust	Equivalent to office level	
Interface		USB2.0 / Ethernet 1000BASE-T	
Dimensions (W x D x H)		1,355 x 1,290 x 856 mm	1,665 x 1,290 x 856 mm
Weight		135kg	150kg

*1 900dpi in Y-direction is not available because of head spec   *2 Including jig weight

Supplies

Item	Colour	Item No.	Remarks
LH-100	Cyan	TBA	250ml bottle
	Magenta		
	Yellow		
	Black		
	Light Cyan		
	Light Magenta		
	White		
	Clear		
LH-100	Cyan	LH100-C-BA	1,000ml bottle
	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	TBA	250ml bottle
	Magenta		
	Yellow		
	Black		
	Light Cyan		
	Light Magenta		
	White		
	Clear		
LUS-120	Cyan	LUS12-C-BA	1,000ml bottle
	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	
	Clear	LUS12-CL-BA	
PR-200	Primer	TBA	250ml bottle
		PR200-Z-BA	1,000ml bottle

⚠ **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.

⚠ **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.

New, small format LED UV printers⋯

Mimaki

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

MEUMK201-E

IP INDUSTRIAL PRODUCTS   **eco**

Mimaki
The world imagines... Mimaki delivers

the power to **create…**

ORANGE JUICE

Mimaki

High performance, state-of-the-art, small format LED UV printers

Mimaki's latest UJF-3042 MkII and UJF-6042 MkII flatbed LED UV printers bring increased productivity and ease of use to on-demand, direct to object printing. Available in A3 or A2 format, these new models build on Mimaki's peerless heritage to offer spectacular creativity and limitless opportunities when printing onto almost any material.

ENGINEERING EXCELLENCE AND CREATIVE INNOVATION

Founded in Japan in 1975, Mimaki Engineering has steadily grown by reputation and influence into a global company with large operational bases in Asia and the Pacific, United States and Europe.

Renowned for award-winning performance, peerless build quality and innovative technology, Mimaki has established itself as a leading manufacturer of wide-format inkjet printers and cutting machines for the sign and graphics, textile and apparel and industrial markets. In addition, Mimaki also provides a comprehensive range of supporting products; hardware, software and associated consumable items, such as inks and cutting blades.

From outdoor signage and billboards to interior decoration and furnishing, from packaging and labels to promotional gifts and apparel, Mimaki is committed to developing technology that sets new industry standards, producing machines and products that turn the imagination of our customers into breath-taking reality.

··· Mimaki delivers

UJF-3042 / 6042 MkII delivers···

- 20% increase in productivity when compared to UJF-3042/6042*[1]
- Direct printing on substrates up to 153mm thick
- MBIS bulk ink system with 250ml / 1,000ml bottles
- Full cover protection prevents dust affecting print quality
- Choice of LH-100 or LUS-120 inks, with up to 9 colours including white, clear and primer
- Exceptional print quality as a result of using Mimaki technologies including MAPS, MFD and variable dot
- Uninterrupted printing through the use of MCT, NCU and NRS technologies

*[1] when printing in 600x600dpi, 8pass mode   *[2] available in 2017

LED UV CURING
610x420mm OR 300x420mm SIZES
153mm MAX MEDIA THICKNESS
OPTIONAL KEBAB FOR ROTARY PRINTING*[2]
1,200dpi MAX RESOLUTION
LH-100 & LUS-120 INKS
COLOUR LCD DISPLAY

UJF-6042 MkII
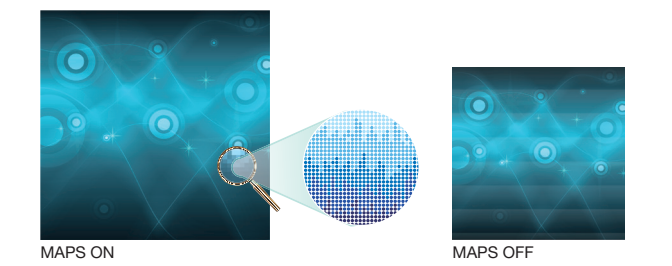610x420mm

UJF-3042 MkII
300x420mm

∗ optional stand shown for both models

Create··· Promotional items, Pens, Key rings, Small format signs & Point of sale, Phone and Electronics covers, Stationery, Bottles, USB sticks, Custom components, Boxes & packaging, Control panels and much more...

EXCEPTIONAL PRINT QUALITY ···

Mimaki Advanced Pass System (MAPS)
MAPS is Mimaki's unique anti-banding feature. Swath boundaries are overprinted and boundaries prone to banding are printed with fewer ink droplets.
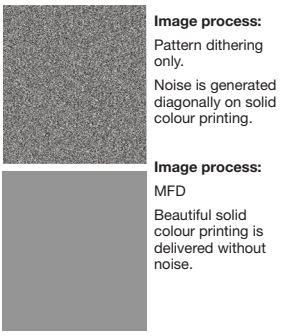
MAPS ON   MAPS OFF

MFD—Mimaki Fine Diffusion
Dithering is an image processing technique, which transforms image data for inkjet printing. Pattern and error-diffusion dithering may, however, generate particular image noise resulting in uneven colour printing or tone jumps, even on a high-performance printing unit.

New RasterLink 6 software*, incorporates patented* image-processing MFD, which reduces noise due to dithering through hybrid processing of pattern- and error-diffusion dithering, thereby enhancing print quality.
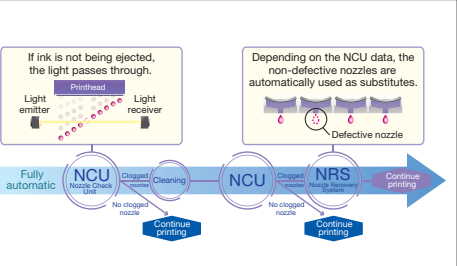
∗ MFD is available for Version 4.0 and higher
∗ Patent number: 5230816

Image process:
Pattern dithering only.

Noise is generated diagonally on solid colour printing.

Image process:
MFD

Beautiful solid colour printing is delivered without noise.

UNINTERRUPTED PRINTING ···

Maintain high productivity levels
In the event of a nozzle malfunction not being repairable by the use of the maintenance function, printing can continue by the use of another nozzle, without any loss of productivity or a reduction in image quality.

If ink is not being ejected, the light passes through.

Printhead
Light emitter   Light receiver

Depending on the NCU data, the non-defective nozzles are automatically used as substitutes.

Defective nozzle

Fully automatic   NCU   No clogged nozzle   Clogged nozzle   Cleaning

Continue printing

NCU   No clogged nozzle   Clogged nozzle   NRS   Continue printing

Continue printing

Mimaki Circulation Technology
Mimaki Circulation Technology (MCT) for white ink circulates the ink at regular intervals to prevent pigment sedimentation occurring. This results in printing becoming more stable, requires fewer cleans and delivers a more cost effective use of ink.

HIGH CREATIVITY ···

Two types of LED UV ink
LH-100 hard UV ink excels in scratch and chemical resistance as well as colour reproduction.

LUS-120 flexible ink has a wide colour gamut, good weather resistance and can be folded and stretched.

Both ink sets include CMYK LC, LM, White, Clear & Primer

C P

Simultaneous white ink under and overprint
Print outstandingly colourful, bright images on transparent and coloured substrates with white ink under or overprint.

4/6 colours only
Without white ink as a basis for overprinting, the colours are not as vivid as they should be.

4/6 colours + white
With the white ink overlay print, the images are bright and vivid.

< sample prints on transparent acrylics >