

## Sophisticated RIP software maximizes the performance of UJF MkII Series

User friendly RIP "RasterLink 6" comes as standard

# RasterLink 6

- ◆ 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 MPW2/3 (Mimaki Profile Master 2/3).
- ◆ Program update and profile download can be easily performed via internet.



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

**UJF-3042 MkII**  
**UJF-3042 MkII EX**  
**UJF-6042 MkII**

### Specifications

Item	UJF-3042 MkII	UJF-3042 MkII EX	UJF-6042 MkII
Head	On-demand Piezo head		
Number of print heads	3	4	4
Ink	Type / colour	LH-100 (C, M, Y, K, W, Cl) LUS-120 (C, M, Y, K, W, Cl) LUS-150 (C, M, Y, K, W) <sup>1</sup> PR-200 (Primer)	LH-100 (C, M, Y, K, Lc, Lm, W, Cl) LUS-120 (C, M, Y, K, Lc, Lm, W, Cl) LUS-150 (C, M, Y, K, W) <sup>1</sup> PR-200 (Primer)
	Capacity	250 ml / 1,000 ml	
	Ink circulation	White ink circulation by MCT (Mimaki Circulation Technology)	
Resolution	Y-dpi	600, 1,200 <sup>2</sup>	
	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 <sup>3</sup>	8kg <sup>3</sup>
	Flatness accuracy	0.5mm	0.3mm
	Vacuum	Equipped	
	Media set	Origin right	
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 1000W		
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	
Interface	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	

<sup>1</sup> Clear ink is not available for LUS-150 inks. However, LH-100 clear ink can be used in combination with LUS-150 inks

<sup>2</sup> 900dpi in Y-direction is not available because of head spec

<sup>3</sup> Including jig weight

### ⚠ 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.

• 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 • Composer's errors reserved

### Supplies

Item	Colour	Item No.	Remarks	
LH-100	Cyan	LH100-C-B2	250 ml bottle	
	Magenta	LH100-M-B2		
	Yellow	LH100-Y-B2		
	Black	LH100-K-B2		
	Light Cyan	LH100-LC-B2		
	Light Magenta	LH100-LM-B2		
	White	LH100-W-B2		
	Clear	LH100-CL-B2		
	Cyan	LH100-C-BA		1,000 ml 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	LUS12-C-B2	250 ml bottle	
	Magenta	LUS12-M-B2		
	Yellow	LUS12-Y-B2		
	Black	LUS12-K-B2		
	Light Cyan	LUS12-LC-B2		
	Light Magenta	LUS12-LM-B2		
	White	LUS12-W-B2		
	Clear	LUS12-CL-B2		
	Cyan	LUS12-C-BA		1,000 ml 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			
LUS-150	Cyan	LUS15-C-BA	1,000 ml bottle	
	Magenta	LUS15-M-BA		
	Yellow	LUS15-Y-BA		
	Black	LUS15-K-BA		
	White	LUS15-W-BA		
PR-200	Primer	PR200-Z-B2	250 ml bottle	
		PR200-Z-BA	1,000 ml bottle	
Flushing liquid 07		FL007-Z-BA	1,000 ml bottle	



**Versatile small format UV LED printers...**

# Mimaki

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INDUSTRIAL PRODUCTS



eco

# Mimaki

The world imagines... Mimaki delivers

the power to **create...**



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

Mimaki's latest UJF-3042 MkII, UJF-3042 MkII EX 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.

### UJF MkII series delivers ...

- 20% increase in productivity when compared to UJF-3042/6042\*1
- Direct printing on substrates up to 153 mm thick
- MBIS bulk ink system with 250 ml / 1,000 ml bottles
- Full cover protection prevents dust affecting print quality
- Choice of rigid or flexible 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

<b>LED UV CURING</b>
<b>610x420mm OR 300x420mm SIZES</b>
<b>153mm MAX MEDIA THICKNESS</b>
<b>OPTIONAL UNIT FOR ROTARY PRINTING</b>
<b>1,200dpi MAX RESOLUTION</b>
<b>CHOICE OF RIGID OR FLEXIBLE INKS</b>
<b>COLOUR LCD DISPLAY</b>

\*1 when printing in 600x600dpi, 8pass mode

**UJF-6042 MkII**



4 print heads  
610x420mm

**UJF-3042 MkII**



3 print heads  
**UJF-3042 MkII EX**  
4 print heads  
300x420mm

\* optional stand shown for both models

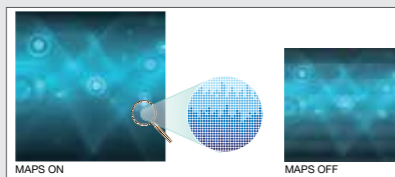
**Create...** Promotional items, Pens, Key rings, Small format signs & Point of sale, Phone and Electronics covers, Stationery, Bottles, USB sticks, Custom components, Boxes & packaging, Control panels and much more...

... **Mimaki delivers**

### MIMAKI CORE TECHNOLOGIES ...

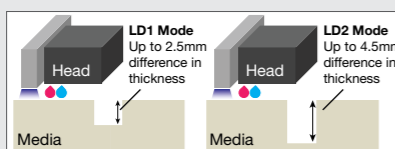
#### Mimaki Advanced Pass System (MAPS)

MAPS is Mimaki's unique anti-banding feature. Swath boundaries are overprinted and boundaries prone to banding are printed with fewer ink droplets.



#### Mimaki LD Mode

The LD Mode allows printing on an uneven surface with up to 4.5 mm difference in media thickness, without a noticeable drop off in print quality.

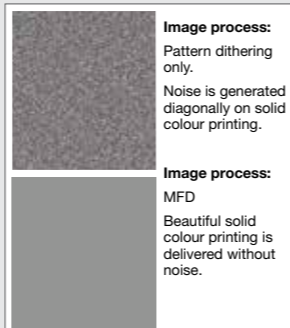


#### MFD—Mimaki Fine Diffusion

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.

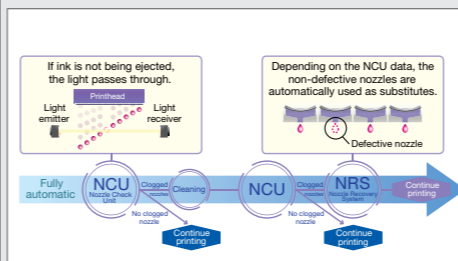
\* MFD is available for Version 4.0 and higher  
\* Patent number: 5230816



### UNINTERRUPTED PRINTING ... HIGH CREATIVITY ...

#### 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.



**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.

#### Three types of UV ink

**LH-100** hard UV ink excels in scratch and chemical resistance as well as colour reproduction.

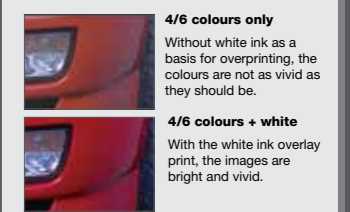
**LUS-120** flexible ink has a wide colour gamut, good weather resistance and can be folded and stretched up to 170%.

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

**LUS-150** flexible ink stretches up to 150% and delivers vibrant colour reproduction. Available in CMYK + White inkset, it adheres well to rigid and soft materials.

#### Simultaneous white ink under and overprint

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



< sample prints on transparent acrylics >