

Mimaki
AUTHORISED PARTNER

UJF-MkII e series
UJF-MkII e series
Flatbed UV Inkjet Printer

Creating Unlimited
Originality



UJF-MkII e

شركة النجم الرقمي للألات و المعدات
DIGITAL STAR MACHINERY AND EQUIPMENTS

SOURCE OF DIGITAL SOLUTIONS

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.

***Best A Grade Quality &
Innovative Products***

Personalise. Customise. Realise.

High quality small flatbed UV inkjet printer series



UNIQUE FEATURES



HIGHEST ROI: Highly efficient reliable printers.



HIGHEST PRODUCTIVITY: Printing colour and white without loss of print speed.



IoT AUTOMATION: Easy integration for automated, un-attended production using robotics.



ENHANCED FUNCTIONALITIES: Easier operation while reducing mistakes.



UJF-3042 MkII e



UJF-6042 MkII e



Up to 153mm media thickness!

Ink circulation in the ink tank and channel (white only)

Full cover

Emergency switch

Color LCD

A highly visible display allows you to see the machine status instantly.



Ink bottles

The White ink bottle is now located in the front for easier daily maintenance (stirring).

Indicator light

The machine's status can be checked easily even from a distance.

USB, Ethernet

Vacuum table



UJF MKII E SERIES CORE TECHNOLOGIES



For even more confidence

our products are GREENGUARD GOLD certified

GREENGUARD GOLD certified products meet the rigorous standards for low emission of volatile organic compounds (VOCs) and ensures that a product is acceptable for use in environments such as schools and healthcare facilities without polluting the indoor air quality.

LED-UV INK TECHNOLOGY

for superior quality at the lowest price

With a variety of LED-UV inks available for the MkII e series, the range of applications seems endless. Choose between hard inks for rigid materials, flexible inks for a variety of media or stretchable inks for soft materials.

MkII e Series inks have been on the market for many years and come with a proven track record of quality and reliability.



Mimaki's image quality control technology ensures more beautiful prints

High image quality achieved with the MFD2 (Mimaki Fine Diffusion2) technology **NEW**

The image processing function RasterLink7 carries out hybrid image processing combining the commonly-used "pattern dither method" and "error diffusion processing." Before printing, the RIP software processes the image data using MFD2, which suppresses noise and color unevenness and realizes beautiful prints. (Japan Patent No. 5230816)



When MFD2 is selected using RasterLink7



When MFD2 is not selected

Waveform control

Thanks to Mimaki's unique advanced ink droplet ejection control, droplets with high circularity are ejected to make them accurately land on the media, enabling sharp expression of characters, lines, and edges.

<Droplets ejected with low circularity>



Gaps and overlaps occur between the dots, resulting in coarse image quality

<Droplets ejected with high circularity>



Sharp finish with less graininess

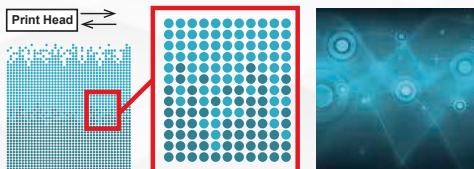
MAPS4 (Mimaki Advanced Pass System 4)

Banding (horizontal stripes) and uneven color can be reduced to realize smooth prints by printing pass boundaries fading in gradation. Based on printing conditions such as media/ink type and resolution, the most suitable gradation pattern is automatically selected and printed.

<Without MAPS4>



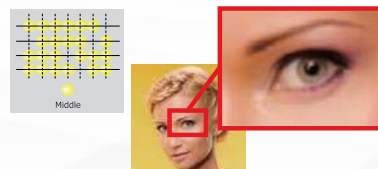
<With MAPS4>



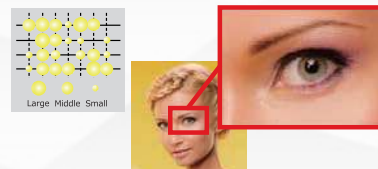
Variable dots

Three different droplet sizes including a minimum of 5pl, are used for high-quality prints with reduced graininess.

<Fixed dots>



<Variable dots>



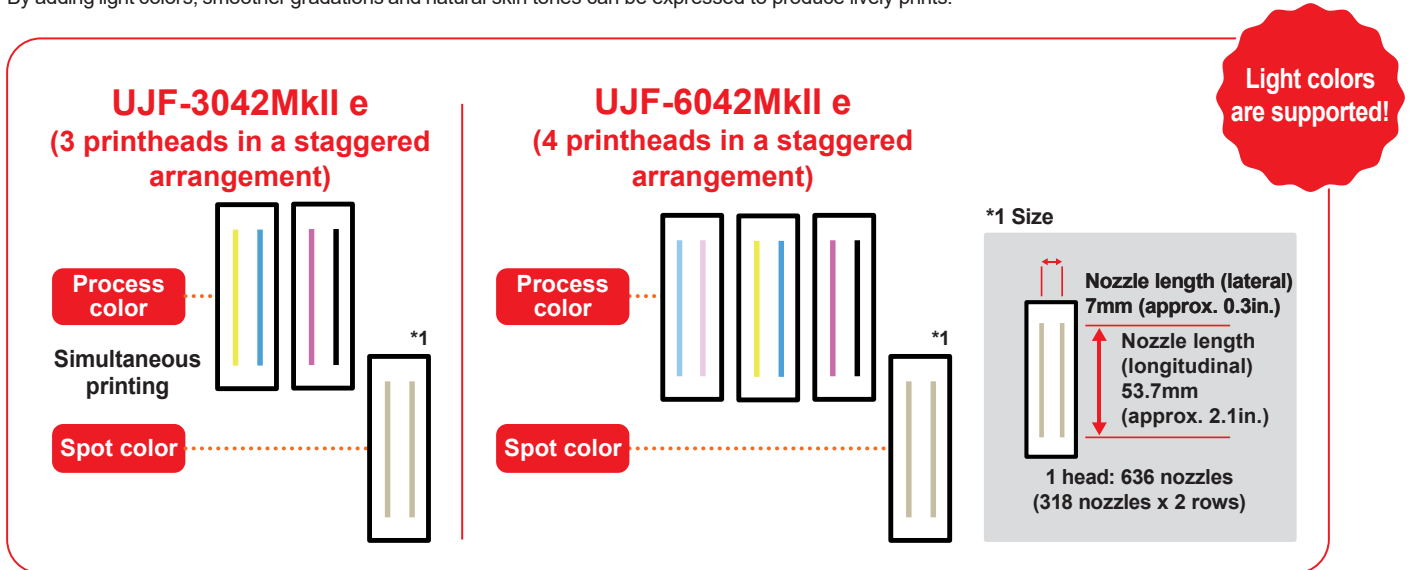
In addition, our inks have acquired "GREENGUARD Gold certification", which is guaranteed to be suitable for schools and medical institutions based on the strictest chemical substance diffusion standards in the world. This ink generates almost no VOC, the cause of photochemical oxidant generation, and is designed to reduce load to the global environment.



Head layout enables two-layer simultaneous printing

The staggered printhead arrangement allows two-layer simultaneous printing with both process and spot colors simultaneous printing with both process and spot colors to maintain high productivity.*

The UJF-6042MkII e can be equipped with light color (Lc/Lm) inks, enabling CMYK + LcLm + Spot colors (W+W, W+Cl, W+Pr, or Pr+Cl) color sets. By adding light colors, smoother gradations and natural skin tones can be expressed to produce lively prints.

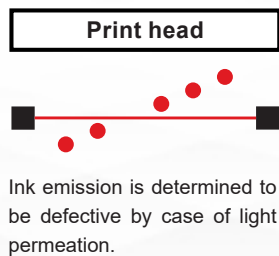


*Some ink sets may not allow simultaneous printing. All heads must be loaded with ink.

Reliable functions for stable operation

NCU (Nozzle Check Unit)

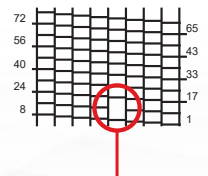
The sensor automatically detects the nozzle condition. When the NCU detects a missing nozzle, it automatically performs cleaning to solve the problem.



NCU is an option for the UJF-3042MkII e.

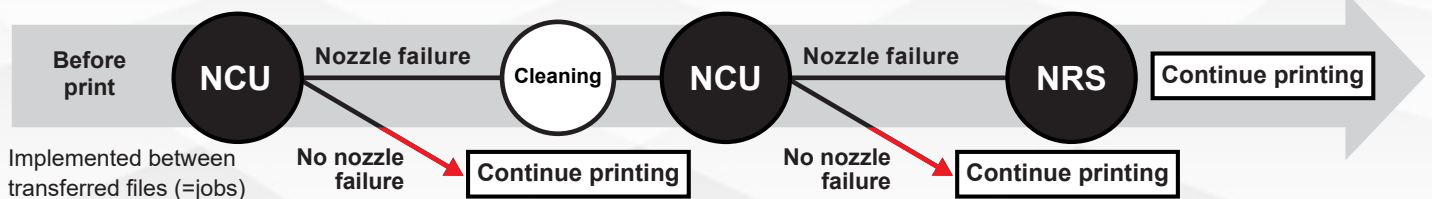
NRS (Nozzle Recovery System)

If there is a nozzle problem that cannot be solved by cleaning, it automatically replaces the defective nozzle with an alternate one for each nozzle, which enables continuous printing without lowering printing speed.



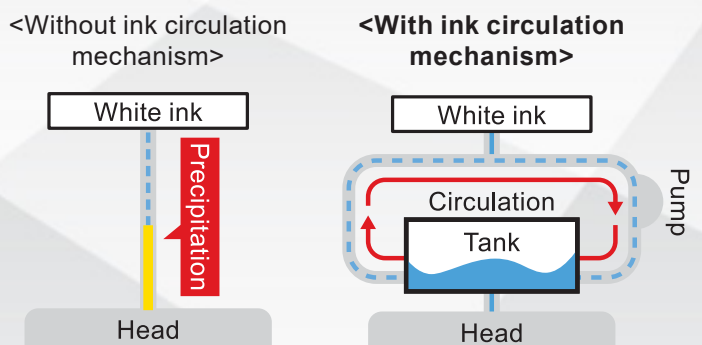
A defective nozzle that emits no ink is substituted with an alternate nozzle.

NRS is automatically set based on the NCU data. NRS may be unusable in some print modes.



MCT (Mimaki Circulation Technology)

An ink circulation mechanism is provided in the ink tank and ink path. It circulates white ink periodically to prevent nozzle trouble due to deposited ink pigments and to stabilize printing performance.



Product Samples



Product Samples

Specification

Item		UJF-3042MkII e	UJF-6042MkII e
Print head		On-demand piezo head	
Printing resolution		1200 × 1200 dpi maximum	
Maximum printable area		width: 300mm depth: 420mm (A3)	width: 610mm depth: 420mm (A2)
Ink	Type/color	LH-100 (C, M, Y, K, W, Cl) LUS-120 (C, M, Y, K, W, Cl) LUS-150 (C, M, Y, K, W) 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) PR-200 (primer)
	Capacity	250 ml/1L (supplied in bottles)	
Media	Thickness	153mm (6 in) or less	
	Weight	5 kg (11 lb) or less	8 kg (18 lb) or less
Interface		USB2.0/Ethernet	
Certifications		VCCI-Class A, FCC-Class A, IEC62368-1, ETL CE Mark (EMC Directive, Low Voltage Directive, Machinery Directive) CB Report, RoHS, REACH, ENERGY STAR, EAC, RCM	
Power supply		Single phase AC100-240V, ±10%, 50/60Hz ±1Hz	
Power consumption		1000W or less	
Operation environment	Temperature	20°C to 30°C (68°F to 86°F)	
	Humidity	35 to 65% RH (No condensation)	
	Guaranteed accuracy temperature	20°C to 25°C (68°F to 77°F)	
	Temperature gradient	±10°C / h or less (±50°F / h or less)	
	Dust level	Equivalent to a general office floor level	
RIP Software		RasterLink7 (provided as standard software)	
External dimensions (W × D × H)		1,355 × 1,290 × 856 mm 53 × 51 × 34 in	1,665 × 1,290 × 856 mm 66 × 51 × 34 in
Weight		135 kg / 298 lb	150 kg / 331 lb

*Specifications, designs and dimensions in this list may be subject to change without notice due to technical improvements or other modifications.

Options

Item	Item code	Remark
IONIZER UNIT 30	OPT-J0414	Static eliminator for UJF-3042MkII e
IONIZER UNIT 60	OPT-J0415	Static eliminator for UJF-6042MkII e

Supplies

Item	Item code	Remark
LH-100 GREENGUARD Gold certified ink	Cyan	LH100-C-BA
	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 GREENGUARD Gold certified ink	Cyan	LUS12-C-BA
	Magenta	LUS12-M-BA
	Yellow	LUS12-Y-BA
	Black	LUS12-K-BA

Item	Item code	Remark	
Light Cyan	LUS12-LC-BA	1L bottle	
	Light Magenta		LUS12-LM-BA
	White		LUS12-W-BA
	Clear		LUS12-CL-BA
LUS-150 GREENGUARD Gold certified ink	Cyan	LUS15-C-BA	
	Magenta	LUS15-M-BA	
	Yellow	LUS15-Y-BA	
	Black	LUS15-K-BA	
	White	LUS15-W-BA	
IJ Primer PR-200	PR200-Z-BA	1L bottle	
	PR200-Z-B2	250ml bottle	
Flushing liquid 07	FL007-Z-BA	1L bottle	

LH-100, LUS-120, and LUS-150 are also available in 250ml bottles.

Optional items

Kebab MkII



Kebab MkII L



■ Specifications

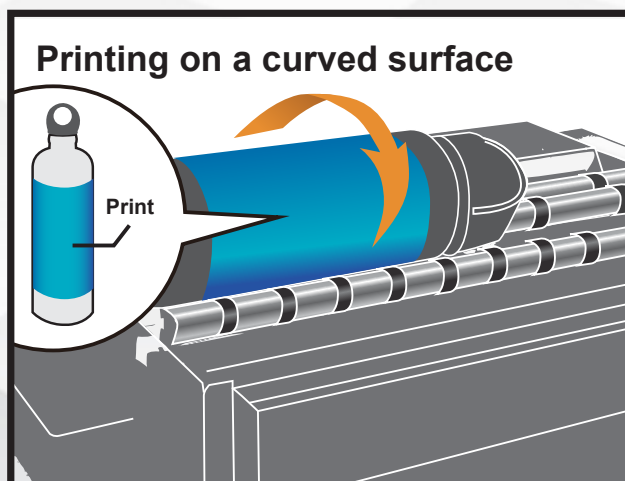
Item		UJF-3042MkII e	UJF-6042MkII e
Item Code		OPT-J0432	OPT-J0433
Compatible printer model		UJF-3042MkII e UJF-3042MkII / UJF-3042MkII Ex	UJF-6042MkII e / UJF-6042MkII UJF-7151 plusII / UJF-7151 plus
Rotary degree of print material		±360 degrees or more (no limitation)	
Rotation system		Rollers	
Applicable objects		Cylindrical objects (uneven surface must not affect rotation)	
Applicable roundness		0.5mm or less to protect the printer body <small>*Accuracy is not guaranteed.</small>	
Printable size		Length: 30mm-300mm Diameter: 10mm-110mm	Length: 30mm-600mm Diameter: 10mm-110mm
Printable Area	Feeding direction (X)	Entire circumference of an object	
	Moving direction (Y)	300mm or less	600mm or less
Maximum weight of print material		Small diameter: 1.5 kg or less Large diameter: 2 kg or less	Small diameter: 1.5 kg or less Large diameter: 2 kg or less
Interface		Exclusive connector	
Weight		Approx. 3 kg	Approx. 6 kg
External dimensions		366mm(W)×301mm(D)×50mm(H)	674mm(W)×301mm(D)×50mm(H)

Beautiful seamless 360-degree surface printing with simple steps

Mount the Kebab MkII unit on your printer and set an object on the rollers. Use the dedicated software to start 360-degree printing automatically. The unit can be easily mounted by simply fixing it with screws and inserting the connector.

Direct Printing!

Rotating rollers allow the unit to print over the entire surface of a cylindrical object. The sense of unity between the material and design is enhanced.



SYSTEM REQUIREMENTS (PC's)

Operating System*	Windows 10 (64 Bit) or Later
Processor	i7 - 2.6 GHz or faster
Memory (RAM)	Min. 8GB or More
Video Card and Monitor(VGA)	1280x1024 or Higher Resolution is Recommended
Working Hard Disk Space	1 TB SSD or more recommended
Graphics Card	2GB or more (Optional)
Optical drive	DVD-ROM
Other requirements	Ethernet connection for network capable printers
	Available USB ports and PCIE Slot
Recommended Brand	Lenovo / Dell

* Note: You can use a laptop or desktop computer

* Use the original operating system and software. If you are using pirated operating system or software, we are not responsible for any damage to Machine workings, and also the warranty terms will become void.

POWER REQUIREMENTS

Voltage Regulator	5000W Stabilizer
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UJF-MkII e series
Flatbed UV Inkjet Printer



Terms and Conditions

01. Payment to be made in SAR currency.
02. Payment Terms : As mentioned in Quotation.
03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
04. Any charges, duties, taxes or levies at the ports of entry will be to our account.
05. The charges of loading, boarding and local conveyance of the technician will be to our account.
06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.
07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.
08. Warranty will be 12 months from the date of installation from Digital Star Machinery and Equipments. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Machinery and Equipments.
09. Service will be free of cost within 12 months from the date of installation.
10. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.
11. Delivery: As mentioned in quotation

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