Mimaki
AUTHORISED PARTNER

UJF-3042 MkII series

Flatbed UV Inkjet Printer

Creating Unlimited Originality

Small Format
LED UV Printers

UJF-3042 MkII

UJF-3042 MkII EX

UJF-MkII

شركة النجم الرقمي للآلات 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

Creating More Value

UNIQUE FEATURES

UJF-3042MkII

Supports A3 size & 153 mm height.

UJF-3042MkII is advanced flatbed UV-curable inkjet printer that create high-value-added product, achieve superior productivity and print quality, and have a greater ability to accommodate a wide range of application.

UJF-3042MkII EX

Supports A3 size & 153 mm height & 8 color.

The 4 print heads configuration enables an additional attachment of white, clear & primer ink with the process color (CMYK) of base as 8 bottles of ink can be mounted.

Max Print Size 300mm × 420mm	Height 153mm	Staggered Head	Variable Dot
Nozzle Drop-out Detection	Nozzle Recovery Function	MCT	MBIS	UV LED
Flat Bed	Desktop	No Dry Time	Event Notification

UJF-3042MkII: C M Y K W Cl

UJF-3042MkII Ex: C M Y K Lc Lm W Cl Primer

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

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

Full cover

Emergency switch

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

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

USB, Ethernet

Vacuum table

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

UJF MKII SERIESCORE 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 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 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

Mimaki Advanced pass System 4 (MAPS4) minimizes banding and uneven color printing

MAPS4 has been newly added to the UJF-3042MkII EX models. 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.

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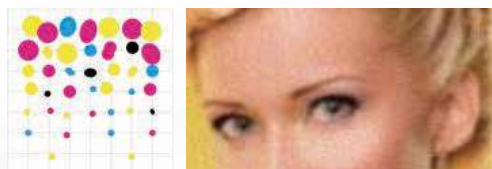
Gaps and overlaps occur between the dots, resulting in coarse image quality

<Droplets ejected with high circularity>
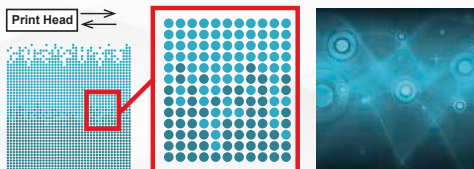
Sharp finish with less graininess

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.
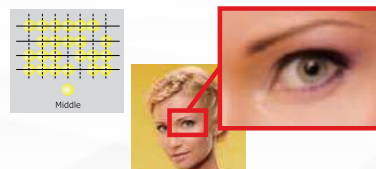
<Without MAPS4>

<With MAPS4>

Print Head
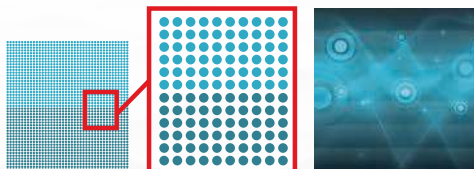
Variable dots

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

<Fixed dots>

Middle

<Variable dots>

Large Middle Small

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

Clear ink print to represent the texture and to enhance design
UJF 3042 MK II EX

With the [Glossy finish] for bright glossiness and the [Matt effect] for muted frosting, [Embossed print] by partial multiple layers, the high value-added print is available by the utilization of clear ink. It adds the glossiness, 3-D appearance, texture and premium feel.

(Gloss Finish)

(Matte Finish)

(Embossed Print)

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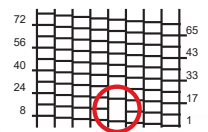
NCU is an option for the UJF-3042MkII e.

Print head
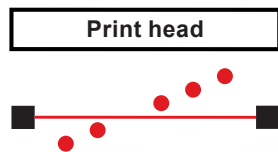
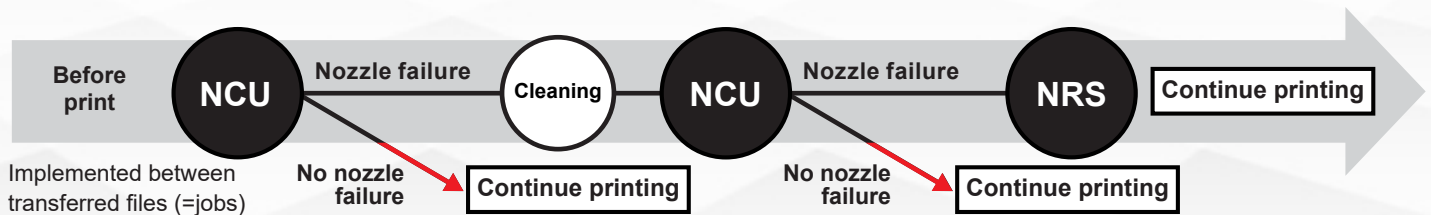Ink emission is determined to be defective by case of light permeation.

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.

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

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

Before print
Implemented between transferred files (=jobs)

NCU — Nozzle failure → Cleaning — Nozzle failure → NCU — Nozzle failure → NRS → **Continue printing**

No nozzle failure → **Continue printing**

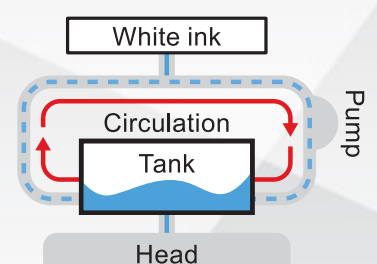No nozzle failure → **Continue printing**

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.

<Without ink circulation mechanism>

White ink

Precipitation

Head

<With ink circulation mechanism>

White ink

Circulation

Tank

Pump

Head
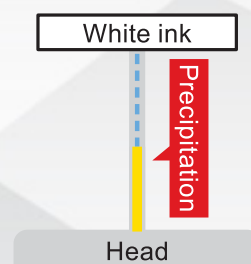
Product Samples

Business Card

Glass Awards

Stationery

Mobile Covers

Label Printing

Photo Printing

Product Samples

Specification

Item	UJF-3042MkII	UJF-3042MkII EX
Print head	On-demand piezo printhead (3 printheads arranged in a staggered line)	On-demand piezo printhead (4 printheads arranged in a staggered line)
Print resolution	Maximum: 1200 x 1200 dpi	
Maximum printable area	Width: 300mm Length：420mm (A3 size)	
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)
Ink — Packaging	LH-100, LUS-120, PR-200: 250 ml bottle / 1 L bottle LUS-150: 1 L bottle	
Media — Thickness	153 mm (6 in) or less	
Media — Weight	5 kg (11 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: 55dB or less (FAST-A, measured1 m away from the source) Continuous operation: 65 dB or less Discontinuous operation: 70 dB or less	
Power supply	Single-phase AC100-240V, ±10%, 50/60Hz ±1Hz	
Power consumption	1,000W or less	
Operational Environment — Temperature	20 - 30 degC (68 - 86 degF)	
Operational Environment — Humidity	35 - 65%Rh	
Operational Environment — Recomended Temp.	20 - 25 degC (68 - 77 degF)	
Operational Environment — Temp. change	±10 degC (±50 degF) /h or less	
Operational Environment — Dust level	Equivalent to a general office floor level	
RIP software	RasterLink7 (Bundled)	
Dimensions (W × D × H)	1,355 mm × 1,290 mm × 856 mm	
	(53.4 in × 50.8 in × 33.7 in)	
Weight	135 kg (297.6 lb)	

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

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

UJF-3042 MkII 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