UJF-3042HG
UJF-3042FX
UV PRINTER

UV LED flatbed desktop printer ...

IP
INDUSTRIAL PRODUCTS

eco

/M/imaki
The world imagines... Mimaki delivers

the power to **create...**

Mimaki

The most versatile UV LED flatbed printer on the market

Providing a unique solution for short runs and on-demand printing the UJF-3042 series offers unrivalled versatility and high quality print reproduction on an almost unbelievable range of materials, products and substrates. With its compact desktop format the UJF-3042 series offers unlimited possibilities to the end user.

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 Series delivers ···

- Outstanding print quality and reliability
- Space-saving compact desktop design
- Direct printing on substrates up to 50 mm thick (FX model) and 150 mm (HG model)
- Simultaneous printing of colour and white
- White ink and clear varnish
- Automatic primer application function
- HG Model features additional two print channels for 6-colour printing plus white and clear inks
- Beautiful, seamless 360 degree surface printing on cylindrical items with the Kebab option (HG model)

UJF-3042FX
UV PRINTER

UJF-3042HG

UV LED CURING
300 x 420 mm MAX. PRINT SIZE
1440 x 1200 dpi MAX. RESOLUTION
MAX. MEDIA THICKNESS 150 mm (HG model)
4 / 6 COLOUR PRINT + WHITE + CLEAR

Additional print head + increased print height facilitates wider range of media.

Create ... Promotional gifts, display cards, name badges, control panels, pens, stationery, fridge magnets, key rings, gift boxes, USB sticks, mobile phone and laptop cases, small format signage...

KEY TECHNICAL FEATURES ···

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

Simultaneous white ink under and overprint

Print outstandingly colourful, bright images on transparent and coloured substrates with white ink under or overprint without slowing down print speed.

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>

Add value with glossy and layered finishes

Add value to your prints using clear ink to realise glossy finishes and to further protect your image.
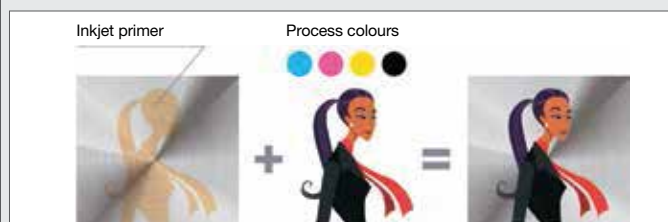
Useful functions to ensure print quality

- Mimaki Spray Suppressor System prevents satellite ink drops, ensuring higher print reliability, consistency, and quality.
- Nozzle Recovery Function temporarily restores print quality, reducing potential downtime if maintenance issues should arise.
- Mimaki Circulation Technology (MCT) is a newly developed white ink circulation system that prevents pigment sedimentation and reduces ink waste. Available on UJF-3042HG.
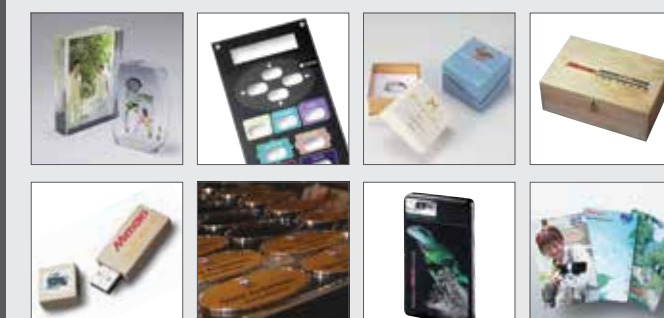
Automatic primer application functionality

Both models incorporate an automatic primer feature. The new inkjet primer cartridges are simply inserted into the corresponding ink slot of UJF-3042, 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.

Inkjet primer   Process colours

Unlimited possibilities

Sophisticated RIP software maximizes the performance of UJF-3042

RASTERLINK 6

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

Additional useful functions

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. Web update function

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

Specifications

Item		Specifications
Print head		On-demand Piezo head
Print resolution		720 x 600 dpi, 1440 x 1200 dpi
Ink	Kind	LH-100 hard UV curable ink (C/M/Y/K/W/Cl)
		LF-200 flexible UV curable ink (C/M/Y/K/W)
		LF-140 (C/M/Y/K/Lc/Lm/W)
	Capacity	220 ml cartridge / 600 ml ink pack
Inkjet primer		PR-100 (220 ml cartridge / 600 ml ink pack)
Maximum print size		Width: 300 mm, Length: 420 mm
Media	Max. size	Width: 364 mm, Length: 463 mm
	Thickness	**(FX)** Up to 50 mm / **(HG)** Up to 150 mm
	Weight	Up to 5 kg
Media set device		Air suction by vacuum
UV device		UV LED
Interface		USB 2.0
Applicable standard		VCCI class A, FCC class A, UL, RoHS Directive, CE Marking
Power specifications		AC 100 – 240 V (Automated voltage conversion)
Power consumption		Less than 0.5 kVA
Operational environment	Temperature	20 – 35°C (68 – 95°F)
	Humidity	35 – 65% Rh
	Dust	Equivalent to normal office level
Dimensions (W x D x H) / Weight		**(FX)** 1,200 x 1,090 x 770 mm / 113 kg
		(HG) 1,200 x 966 x 920 mm / 130 kg

Supplies

Item		Item No.	Remarks
Dedicated UV ink	LH-100	SPC-0659 C/M/Y/K/W/Cl	220 ml cartridge
		SPC-0597 C/M/Y/K/W/Cl	600 ml ink pack
	LF-200	SPC-0591 C/M/Y/K/W	600 ml ink pack
	LF-140	SPC-0727 C/M/Y/K/Lc/Lm/W	220 ml cartridge
		SPC-0728 C/M/Y/K/Lc/Lm/W	600 ml ink pack
Inkjet primer	PR-100	SPC-0731	220 ml cartridge
		SPC-0732	600 ml ink pack
Eco case		OPT-J0237	8 cases

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, 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.

Also available: Kebab Option for Printing on Cylindrical Products

Using rotary rollers, the Kebab option rotates the print object, enabling seamless 360 degree printing on the entire surface of the cylindrical item. This option can take up various materials of different sizes, ranging from 30 - 330mm in length and 10 - 110mm in diameter.

Easy setup. Mount Kebab option on the printer, set the product on the rollers and start automatic 360 degree printing using RasterLink6 software.

Kebab option is available separately and compatible with the UJF-3042HG and UJF-6042.

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