

UV LED Curing Flatbed Tabletop Inkjet Printer

# UJF-3042HG

# Mimaki™

## Reaching a higher level, Innovative progression

Direct print on **A3** (420 x 297mm) size  
with **150mm** height



Print on a block memo



### Six-color printing plus white and clear

Higher-definition and more beautiful gradation are achieved by six-color printing. White ink provides under/over-coating on transparent or colored materials and clear ink provides glossy /matte finish.

\* Six color printing with LF-140 ink only

### MCS (Mimaki Circulation System)

The newly developed white ink circulation system prevents pigment sedimentation. This system enables more efficient white ink consumption, thus reducing white ink waste.

### Easy automatic primer application

Primer can be applied by inserting a cartridge into a slot and setting print conditions. The automatic inkjet primer cartridge system applies a primer on only selected areas.

\* Inkjet primer and LF-200 cannot be used together.

### Nozzle recovery function

This function immediately restores print quality without slowing down the print process thus reducing down time.

\* The recoverability of this function is limited.

# Introducing an innovative LED-UV inkjet printer that reaches a higher level



The UJF-3042HG enables printing on products up to 150mm height, which are not printable with the conventional model. A wide range of printing applications including plastics, metals, and wood, grows and boosts business opportunities.



## Six-color printing plus white and clear



Three UV ink types are offered in order to achieve the best print results on a variety of applications. Eight ink slots enable various ink configurations such as 6-color + White and Clear. The UJF-3042HG has extreme versatility thanks to beautiful gradation with 6-color printing, under/over coating on transparent materials with white ink, and glossy/matte finishes using clear ink.



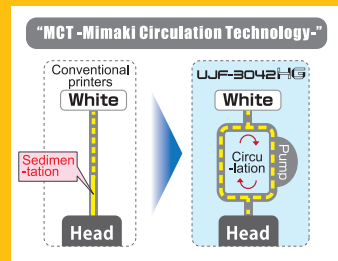
Add value with glossy finishing

<b>LH-100</b>	Excels in scratch and chemical resistance as well as color reproduction. Ideal for substrates that do not require bending or folding during post-processing.
<b>LF-140</b>	Smooth gradation in six color printing (CMYK+LcLm) while reducing granular appearance. This ink is more flexible than LH-100, making it less likely to crack during post-processing.
<b>LF-200</b>	Enables stretching of ink up to 200% during post-processing work. No cracking of printed image without breaking the cured ink surface.

\* Ink type and color configuration must be chosen at time of installation  
 \* As ink flexibility of LF-200 ink and LF-140 ink vary according to the substrate, please verify your substrate in advance.  
 \* Clear ink is not available for LF-140 inks. However LH-100 clear ink can be used in combination with LF-140 inks.

## Ecological & economical applications of white ink

MCT to regularly circulate white ink is standard equipment. It enables stable output from the time of machine startup by effectively avoiding the settling of white pigment in the ink lines. Additionally, MCT contributes to reduction of ink waste, thereby supporting environmentally and economically friendly applications.



## Fail-safe features for continuous operation

### Nozzle Recovery Function

Without the nozzle recovery function, when printing and nozzle clogging or failure occurs that could not be resolved by the nozzle cleaning function, printers have to wait stop until the Mimaki service team arrives. When it comes to this function, even if nozzle washing has no effect on a troubled nozzle, the print image quality can be retained immediately without slowing down the print process.



\* The recoverability of this function is limited.

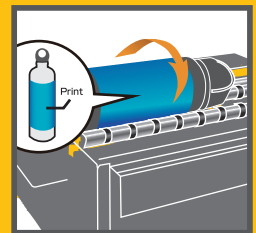
## KEBAB boosts your creativity

Attachable unit for printing on cylindrical objects

# KEBAB

360-degree printing on cylindrical objects

Beautiful seamless 360 degree circumference printing  
 Mount KEBAB on the UJF-3042HG, place the object on the rollers, and start printing with the dedicated software.



### Broaden a range of printing applications

- Bottles
- Tumbler
- Glass
- Candle

#### Printable range

Length: 30 mm — 330 mm (1.2 in. — 12.99 in.)  
 Diameter: 10 mm — 110 mm (0.39 in. — 4.33 in.)

\* Maximum weight of object: 3 kg / Maximum print width: 300 mm

## Specifications

Item	UJF-3042HG
Head	On-demand Piezo head
Resolution	720x600 dpi, 1,440x1,200 dpi
Ink	Type
	UV-curable ink: LH-100 (C/M/Y/K/W/CI)
	UV-curable ink: LF-200 (C/M/Y/K/W)
	UV-curable ink: LF-140 (C/M/Y/K/Lc/Lm/W)
Supply system	220 ml cartridge / 600 ml ink pack
Inkjet primer	PR-100 (220 ml cartridge / 600 ml ink pack)
Max. print size	Width: 300 mm (11.8") Length: 420 mm (16.5")
Media sizes	Max. size
	Width: 364 mm (14.3") Length: 463 mm (18.2")
	Height
Weight	Up to 150 mm (5.9") Up to 5 kg (11.0 lbs)
UV technology	UV LED unit
Interface	USB2.0
Power requirements	AC100V - 240V ± 10% / below 0.5 kVA
Dimensions (WxDxH) / Weight	1,200 mm x 970 mm x 770 mm / 130 kg (47.2" x 38.1" x 30.3" / 286.6 lbs)

●All trademarks or registered trademarks are the property of their respective owners.●Specifications are subject to change without notice. ●Some of the screens and printing samples in this catalog are artificial renderings. ●Inkjet printers print using extremely fine dots, thus colors may vary slightly following replacement of the printing heads. Also note that if using multiple printer units, colors may vary slightly among the units due to slight individual differences among the units.

## Supplies

Item	Item No.	Remarks	
Dedicated UV ink	LH-100	SPC-0659 C/M/Y/K/W/CI	220 ml cartridge
		SPC-0597 C/M/Y/K/W/CI	600 ml ink pack
	LF-140	SPC-0591 C/M/Y/K/W	600 ml ink pack
		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 cartridge	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 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.

### 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 emission from printed parts not yet cured and hardened
- In addition, please read the instructions and guidelines of the manual carefully and follow those.



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## Mimaki Global Network

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