UV LED Curing Flatbed Tabletop Inkjet Printer
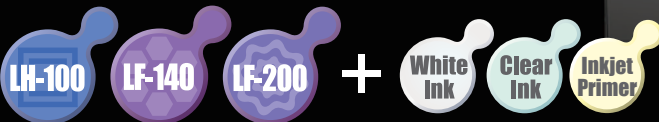
UJF-3042HG

Mimaki®

Debut!

Reaching a higher level, Innovative progression

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

Print on a block memo

LH-100   LF-140   LF-200   +   White Ink   Clear Ink   Inkjet Primer

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 s 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 a primer cartridge system applies a primer on only selected areas.
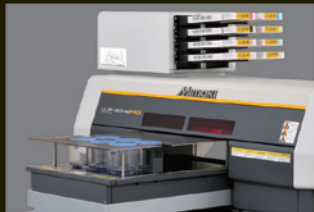
*Inkjet primer and LF-200 cannot be used together.

Nozzle recovery function

This function immediately restores print quality without 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

LH-100	Excels in scratch and chemical resistance as well as color reproduction. Ideal for substrates that do not require bending or folding during post-processing. C M Y K W Cl Pr
LF-140	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. C M Y K Lc Lm W Cl Pr
LF-200	Enables stretching of ink up to 200% during post-processing work. No cracking of printed image without breaking the cured ink surface. C M Y K W

* 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.
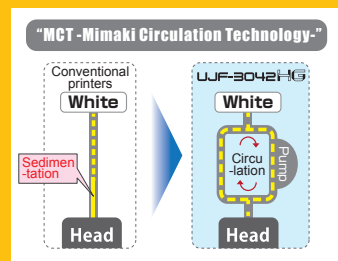
Ecological & economical applications of white ink

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.

"MCT -Mimaki Circulation Technology-"

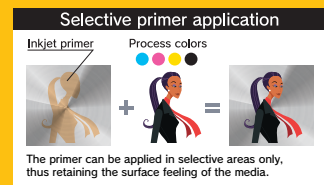## Fail-safe features for continuous operation

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.

Clog occurs	Stop working	Back to work immediately
	Set the function	Keep on printing continuously

* The recoverability of this function is limited.

Automatic primer application function

Usually primers are applied separately in a manual application process, but the UJF-3042HG incorporates an automatic primer application feature. The new inkjet primer cartridges are simply inserted into the corresponding ink slot of the UJF-3042HG, enabling the primer to specifically target the print image area only.

* Inkjet primer cannot be used in conjunction with LF-200 inks.

Selective primer application

Inkjet primer + Process colors =

The primer can be applied in selective areas only, thus retaining the surface feeling of the media.

■ Examples of inkjet primer (PR-100) effectiveness

PET	Acrylic	Glass	Aluminum	Brass	Copper	Epoxy	Nylon
○	○	○	○	△	○	○	○

* Reference value. There is no guarantee as to the effectiveness, please verify your substrate in advance.

High performance software RIP
RasterLink Pro5 IP
Bundled item

■ Specifications

Item		UJF-3042HG
Head		On-demand Piezo head
Resolution		720×600 dpi, 1,440×1,200 dpi
UV ink	Kind	LH-100 (C/M/Y/K/W/Cl)
		LF-200 (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)
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	Up to 150 mm (5.9")
	Weight	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 (W×D×H) / Weight		1,200 mm × 970 mm × 770 mm / 130 kg (47.2" × 38.1" × 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/Cl	220 ml cartridge
		SPC-0597 C/M/Y/K/W/Cl	600 ml ink pack
	LF-200	SPC-0660 C/M/Y/K/W	220 ml cartridge
		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 cartridge		OPT-J0237	8 cases

❶ 600 ml ink pack requires eco cartridge (OPT-J0237). Eco cartridges can be used repeatedly by replacing ink packs.
❷ Inkjet primer cannot be used in conjunction with LF-200 inks.
❸ 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 emittance from printed parts not yet cured and hardened
• In addition, please read the instructions and guidelines of the manual carefully and follow those.