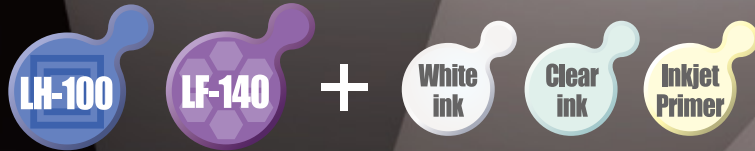**UV LED Curing Flatbed Tabletop Inkjet Printer**

UJF-3042FX

UV PRINTER

Mimaki™

Now with Inkjet Primer capability and new UV curable ink offerings will open a host of new possibilities and applications

LH-100 **LF-140** **+** **White ink** **Clear ink** **Inkjet Primer**

Affordable **Versatile** **Impressive** **User-Friendly** **Eco-Friendly**

NEXT STAGE

UV LED Curing Flatbed Tabletop Inkjet Printer

UJF-3042FX
UV PRINTER

LH-100 **LF-140** + **White ink** **Clear ink** **Inkjet Primer**

Versatile — Print directly on almost any material or any application

UJF-3042FX enables short run production with variable print capability, down to one individual printed piece on demand. Almost all substrates of up to 300 x 420 mm and 50 mm thickness can be easily and immediately enhanced thus enabling you to offer your clients a truly personalized service and a host of new applications that include gifts and novelties.

■ A choice of ink types to suit your application

Selectable ink types for different applications

	LH-100	LF-140
Features	Excels in scratch and chemical resistance as well as color reproduction. Ideal for substrates that do not require bending or folding during post-processing.	Strong gradation in six color printing (CMYK+LcLm) with reducing granular appearance. The ink is more flexible than LH-100 ink thus making is less likely to crack during post-processing.
Color configuration	C M Y K + W W Cl W Cl / W Cl Cl Pr Pr	C M Y K + Lc W W Cl W Cl / Lm W Cl Cl Pr Pr

C = Cyan、M = Magenta、Y = Yellow、K = Black、Lc = Light Cyan
Lm = Light Magenta、W = White、Cl = Clear、Pr = Inkjet Primer

※As ink flexibility of LF-140 ink varies according to the substrate to be printed, please be sure to test it beforehand.
※LF-140 ink set does not include clear ink. You can use a combination with LH-100 clear ink.

Impressive — Add value with glossy finishing and multi-layered printing

Glossy or matte spot varnish with clear ink offers unique eye-catching effects on your prints. Furthermore by printing different layers of ink and/or gloss, your images will not only look more enticing but also will have a raised / embossed quality that will satisfy your customers.

Glossy finish / Multi-layered print
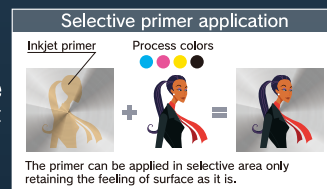

User-Friendly — Automatic primer application functionality

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

■ Automatic primer coating only on selected area without compromising speed

The primer does not require extra printing time as it is simultaneously applied with the process colors during printing. Thus process streamlines the printer workflows significantly without compromising speed.＊

＊ When printing with primer and white or clear ink production speed is reduced by approximately 50%.

Selective primer application

Inkjet primer   Process colors

The primer can be applied in selective area only retaining the feeling of surface as it is.

■ PR-100 inkjet primer possibilities

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

※The above results have been achieved by Mimaki and are not guaranteed. Please test your intended materials beforehand.

Eco-Friendly — UV LED curing technology for high functionality and ecology

LED is used for power-saving, long-life and environmentally friendly UV sources. UV LED technology does not generate excessive heat enabling printing on material including heat-sensitive substrates for flexible packaging such as thin films, too.

Further benefits
● The new nozzle recovery function enables printers to keep on printing in excellent quality thus reducing downtime.
● Printing at resolution of up to 1440 x 1200 dpi with variable dots enables a high image quality.
● All in all a compact tabletop printer that is just the right size to be placed into any printing environment.

■ Specifications

Item		UJF-3042FX
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-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″)
	Thickness	Up to 50 mm (2.0″)
	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 × 1,090 mm × 770 mm / 113 kg (47.2″ × 42.9″ × 30.3″ / 249.1 lbs)

■ 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-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 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:**
•As physical properties of ink (adhesion, weather resistance etc.) are different depending on media, please be sure to have a print test in advance.
•Depending on the application, primers, other surface treatment or surface protection such as lamination may be necessary.

⚠ **Safety notice:**
This product is equipped with UV irradiation equipment.
Please pay attention to the following notes in order to use safely.
•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, some VOC emittance from printed parts not yet cured and hardened may occur.
•In addition, please be sure to read and follow the instructions and guidelines of the manual carefully.

●Some of the samples in this catalog are artificial renderings. ●Specifications, design and dimensions stated in this catalog may be subject to change without notice (for technical improvements, etc). ●The corporate names and merchandise names written on this catalog are the trademark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may vary slightly vary after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences. ●The specifications described in this catalog are as of August 2022.