

Mimaki

UV LED Curing Flatbed Tabletop Inkjet Printer

# UJF-3042FX

UV PRINTER

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



# NEXT STAGE

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## 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.

### 3 different types of UV inks available

Choose among the following UV inks the one that best suits your applications:

	LH-100	LF-200	LF-140 <span style="color:red">NEW</span>
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.	Enables stretching of ink up to 200% during post-processing work. No cracking of printed image without breaking the cured ink surface.	Strong gradation in six color printing (CMYK+LcLm) with reducing granular appearance. The ink is more flexible than LH-100 ink thus making it less likely to crack during post-processing.
Color configuration			
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-200 ink and LF-140 ink vary according to the substrate, please verify your substrate in advance.  
 ※When choosing LF-200 ink, clear ink and primer are not available.  
 ※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.



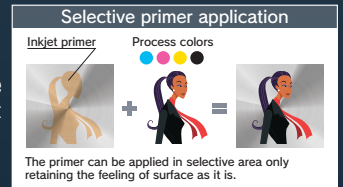
## User-Friendly Automatic primer application functionality

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%.



### 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

UV LED offers reduced energy consumption, longer diode lifetime and almost no VOC\* emissions during printing. In addition, UV LED technology does not generate excessive heat enabling printing on almost every material including heat-sensitive substrates for flexible packaging such as thin films, among others.

\* Volatile Organic Compound

### 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	720x600 dpi, 1,440x1,200 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")	
		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 (WxDxH) / Weight	1,200 mm x 1,090 mm x 770 mm / 113 kg (47.2" x 42.9" x 30.3" / 249.1 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
		SPC-0660 C/M/Y/K/W	220 ml cartridge
	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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