

New generation output software with 16 bit rendering (bundled item)



High performance RIP software designed to fully enable all advanced features of UJV-160



[8 bit rendering]
Tone jumps are likely to occur



[16 bit rendering]
Smooth gradation without tone jumps

16 bit rendering eliminates tone jumps and produces fine color reproduction. Different images can be freely nested on the RIP. The web update function has been newly added to RasterLink Pro5 to easily achieve both software update and profile download.

RasterLink Pro5 SG

■ Specifications

Item	Specifications	
Head	On-demand Piezo head	
Print resolution	600 dpi, 1200 dpi	
Ink	UV curable ink (both flexible and hard types are available) 5 color: C,M,Y,K,W / 1,200 ml (600 ml × 2 cartridge)/color	
Maximum print width	Roll: 1,610 mm (63.3"), Rigid: 1,600 mm (63.0")	
Media	Width	1,620 mm (63.7")
	Thickness	Max. 10 mm (0.39")
	Weight	Roll: less than 25 kg (55 lbs.) Rigid: less than 12 kg (26.4 lbs.)
	Roll diameter	Inside: 2 inch, 3 inch / Outside: Less than φ180 mm (7.1")
Media cutting	Manual cutting	
UV device	Equipped with UV Light Emitting Diodes	
Media heater	Pre / print heater	
Media take-up device	Roll take-up device (Standard), inside / outside selectable	
Interface	USB 2.0	
Applicable standard	VCCI class A, UL60950-1, FCCI class A, CE marking (EMC directive, low voltage directive), CB report, RoHS	
Power specifications	AC 100 V - 120 V, 200 - 240 V ± 10 %, 50 - 60 Hz ± 1 Hz, less than 1.68 KVA	
Operational environments	Temperature	15 °C - 30 °C
	Humidity	35 - 65 % Rh (No condensation)
Dimensions (W × D × H)	Main unit	3,300 mm × 780 mm × 1,290 mm (129.9" × 19.8" × 50.7")
	Main unit + media stand	3,300 mm × 4,300 mm × 1,290 mm (129.9" × 169.3" × 50.7") (Main unit and table with support wire)
	Weight	Main unit: 260 kg (573 lbs.) Media table: 50 kg (110 lbs.) × 2 units

■ Supplies

Item	Color	Item No.	Remarks
LF-200 flexible UV ink	Cyan	SPC-0591C	Contained in 600 ml ink pack
	Magenta	SPC-0591M	
	Yellow	SPC-0591Y	
	Black	SPC-0591K	
LH-100 hard UV ink	White	SPC-0591W	TBA
	Cyan	SPC-0597C	Contained in 600 ml ink pack
	Magenta	SPC-0597M	
	Yellow	SPC-0597Y	
	Black	SPC-0597K	
White	SPC-0597W		
Cleaning solution (for LF-200 and LH-100)		SPC-0606FS	400 ml cartridge
ECO cartridge		OPT-J0237	8 cases

■ Notice on materials and ink performance

- Post-printing ink property performance (adhesion, weather durability, etc.) varies according to the material.
- If printing materials other than those described are to be used, please test the materials first.
- Adhesion performance differs according to the material. Thus, there are cases in which optimization of ink and anchor coat/overcoat is necessary.

Print & Cut: Great synergy in combination with a cutting plotter
Combination with CF2 series leads to more comprehensive and effective production from printing to cutting.



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

NEW

Hybrid UV LED Curing Inkjet Printer

UJV-160
UV PRINTER

Mimaki

Roll + Rigid = Flexibility

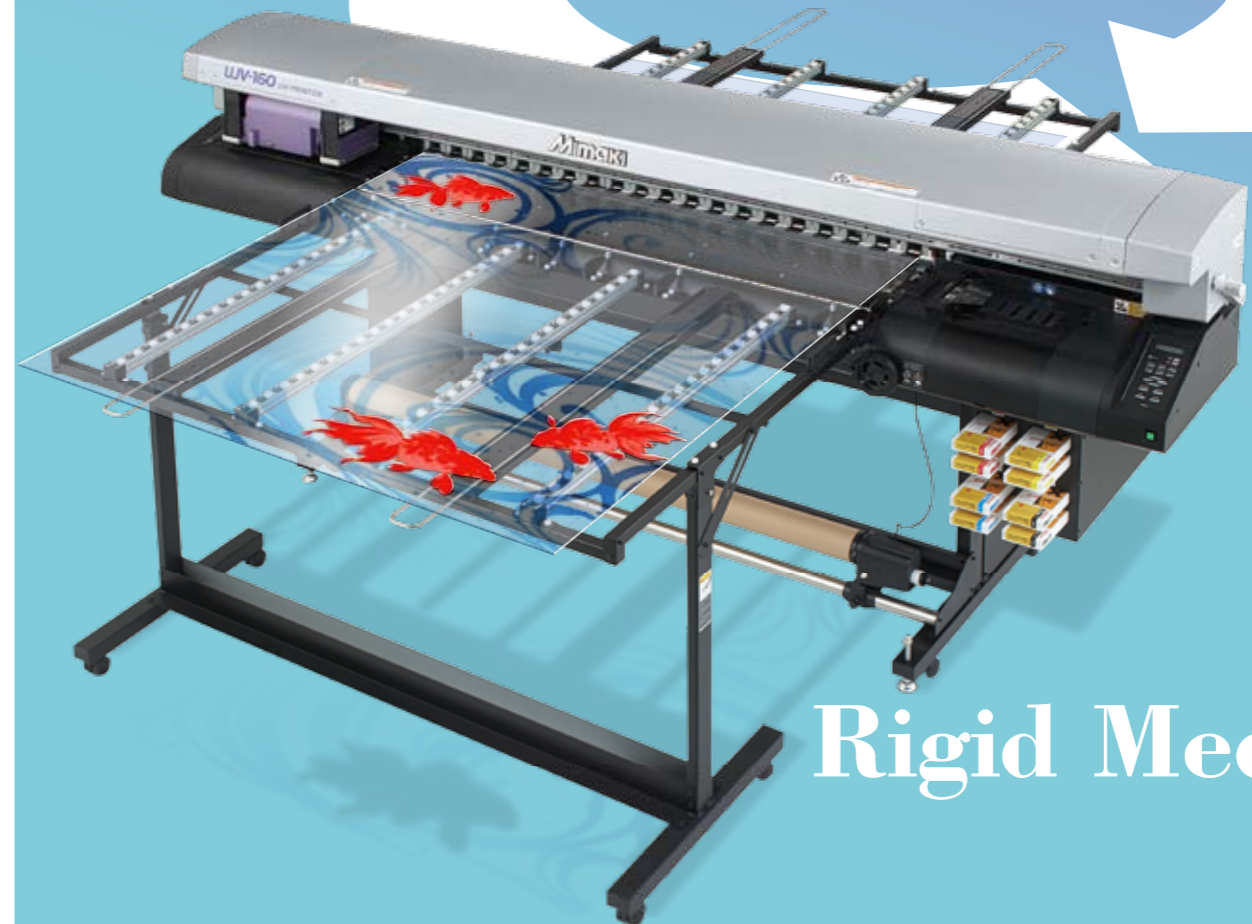
UJV-160: Hybrid wide format printer with new UV LED curing technology.

Smooth changeover from roll to rigid or from rigid to roll media.

New technology enables endless possibilities and broadens print applications.



Roll Media



Rigid Media

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With unlimited applications, UJV-160 provides an optimal solution to a variety of printing needs

From acrylic board, aluminum composite board, corrugated cardboard, pasteboard, PVC, synthetic paper to PET, print on the broadest range of substrates with just one single printer. UJV-160 employing UV LED curing technology offers highest productivity and expands your business opportunities.

Roll Media



Printing with white ink on transparent PET film



Car wrapping (PVC film)



Banner (Tyvek®) Banner (transparent PET film)



Backlit film (PET film)

Rigid Media



Signboard (transparent acrylic board)



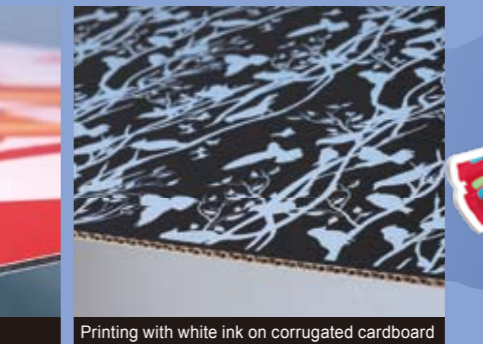
Pen holder (pasteboard)



Box file (styrene board)



Signboard (aluminum composite board)



Printing with white ink on corrugated cardboard



Large panel (styrene board)

No drying time, no media deformation

The new UV LED curing technology does not emit infrared rays thus enabling print on heat sensitive materials. UV LED curing with UV inks means instantaneous drying that eliminates post-printing drying time. This innovation leads to dramatic reduction of job turnaround time (from printing to processing) and increase in productivity.

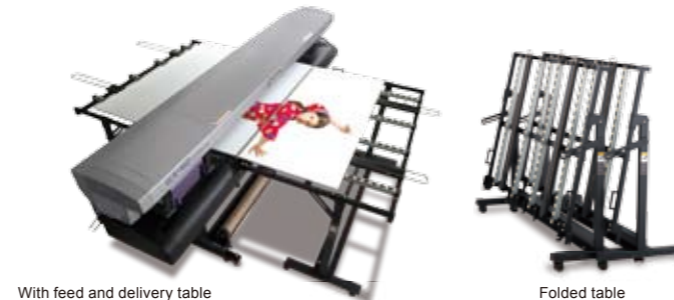
ECO-friendly UV LED curing technology

UV LEDs have a longer lifetime and save about 50 % in energy in comparison with conventional UV printers employing halide lamps. Another environmental friendly aspect of UV LED technology is the fact that it does not emit short wave ultraviolet rays which generate ozone.

Compatible with rigid media up to 10 mm thickness and 12 kg

UJV-160 prints not only on roll media but also on rigid media. Equipped with a feed and delivery table, it enables direct printing on rigid media up to 10 mm thickness and 12 kg. Compactly designed, the table can be folded when not needed thus allowing for a smooth changeover between roll and rigid media.

* Print accuracy may vary depending on types and coating of media. Please test the media beforehand.



With feed and delivery table

Folded table

Wide selection of UV inks

2 types of UV inks broaden printing applications.

Types of ink	LF-200 Flexible UV Ink	LH-100 Hard UV Ink
Features	LF-200 has 200 % elasticity, suitable for embossing and other post-processing tasks.	LH-100 excels in scratch and chemical resistance as well as color reproduction.
Applications	Car wrapping, package, and banner using PVC.	Prints on aluminum composite board, styrene board, and pasteboard.

* Elasticity of LF-200 varies depending on types of material. Please contact our technician for more detail.

Vivid image with white ink overlay print

White ink overlay print enables brighter and far more vivid images on both transparent and colored substrates.

Sample images:



4 colors only Without white ink as a basis for overprinting, the colors are not as vivid as they could be.

4 colors + white ink With the white ink overlay print, the image is bright and vivid.

3M™ MCS™ Warranty

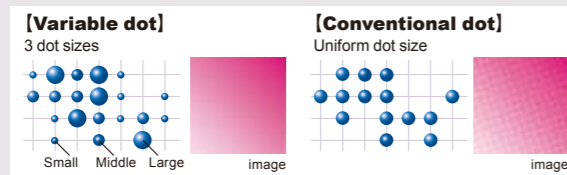
3M Company offers its premium warranty, the 3M™ MCS™ Warranty for the UJV-160 when printing with LF-200 ink and 3M media. This warranty includes up to 5 years weather-proof durability (Warranty periods vary based on type of application, type of media and graphic protection). Please contact 3M in your country for further information.



Advanced technology to maximize high performance of UJV-160

1200 × 1200 dpi with 3 different dot sizes delivers high quality prints

Maximum resolution of 1200 × 1200 dpi and variable dot technology (4 colors / 3 dot sizes) achieve high quality prints. Excellent color reproduction that satisfies all professional requirements, UJV-160 is the machine for enhancing performance and productivity.



Printer heating system for high quality finish

The UJV-160's printer heater system precisely controls ink dots on film materials, thus creating clear and glossy, high quality prints.

Continuous print with media feeding device

The media feeding device enables reliable continuous printing. Just by setting roll media on the device, the media will be transported evenly.

Head height adjustment for different media thickness

Head height can be adjusted from 1.5 to 12.5 mm (stepless), according to thickness of the media. This allows for more precise and high-quality printing on media with various thickness.

Media holding plate for more reliable printing

Media holding plates on both sides prevent warping of the media during printing. This eliminates jamming and achieves more precise and reliable printing.

High speed printing with variable dot sizes

