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

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

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.

【8 bit rendering】
Tone jumps are likely to occur

【16 bit rendering 】
Smooth gradation without tone jumps

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

⚠ 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.

■Supplies

Item	Color	Item No.	Remarks
LH-100	Cyan	SPC-0597C	
	Magenta	SPC-0597M	
	Yellow	SPC-0597Y	
	Black	SPC-0597K	
	White	SPC-0597W	
	Clear	SPC-0597Cl	
LF-140 [NEW]	Cyan	SPC-0728C	Contained in 600 ml ink pack
	Magenta	SPC-0728M	
	Yellow	SPC-0728Y	
	Black	SPC-0728K	
	Lightcyan	SPC-0728Lc	
	Lightmagenta	SPC-0728Lm	
	White	SPC-0728W	
LF-200	Cyan	SPC-0591C	
	Magenta	SPC-0591M	
	Yellow	SPC-0591Y	
	Black	SPC-0591K	
	White	SPC-0591W	
Cleaning solution		SPC-0606FS	400 ml cartridge
ECO cartridge		OPT-J0237	8 cases

⚠ 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.

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.

Printing with UJV-160

Cutting with CF2

UJV-160 UV PRINTER

Casa del Mimaki

CF2 Series
Flatbed Cutting Plotter

Hybrid UV LED Curing Inkjet Printer

UJV-160
UV PRINTER

Mimaki

LH-100 LF-140 (NEW) LF-200 + White Ink Clear Ink
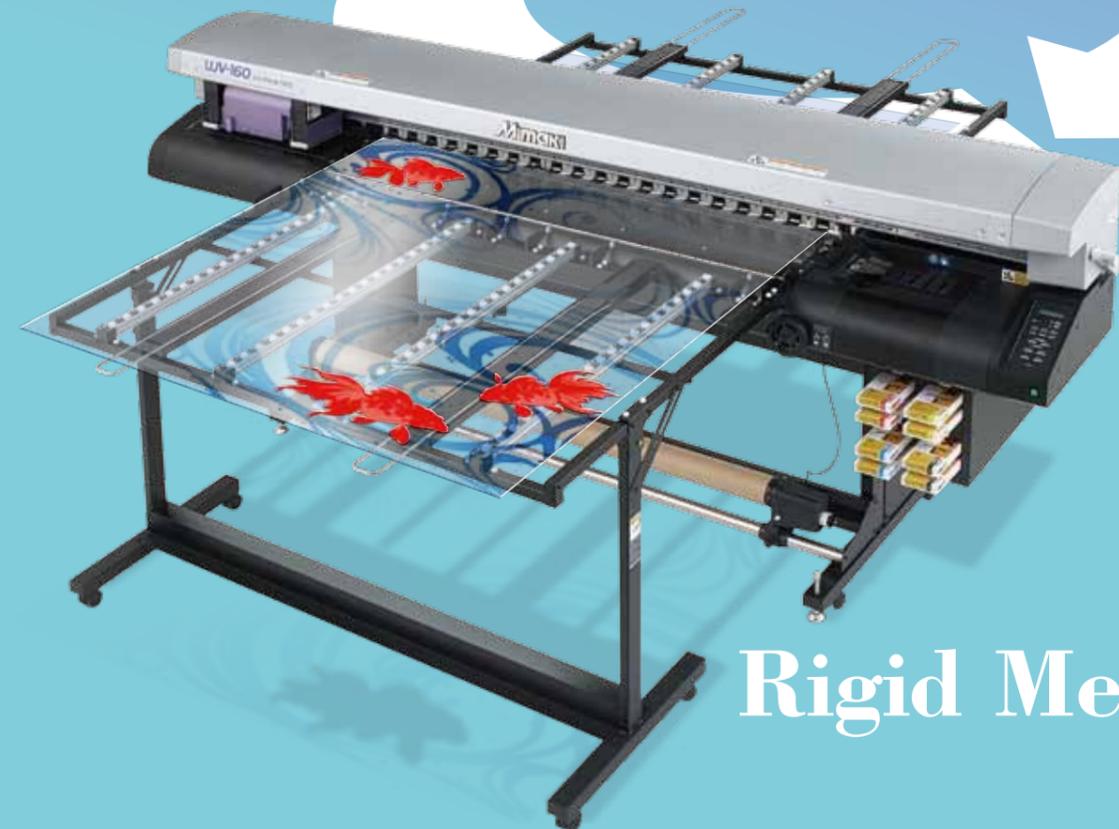
Roll + Rigid = Flexibility

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

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

Backlit film (PET film)

Car wrapping (PVC film)

Banner (Tyvek®)　Banner (transparent PET film)

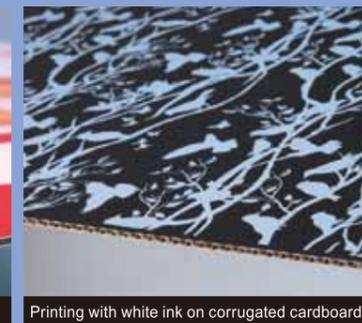## Rigid Media

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.
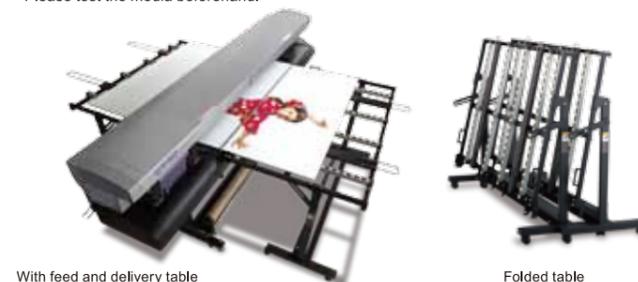
ECO-friendly UV LED curing technology

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　　3 types of UV inks broaden printing applications.

Type	LH-100 Colors C M Y K + W + CL	LF-140 Colors C M Y K Lc Lm + W + CL	LF-200 Colors C M Y K + W
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.	Enables stretching of ink up to 200% during post-processing work. No cracking of printed image without breaking the cured ink surface.
Applications	Prints on aluminum composite board, styrene board, and pasteboard.	Soft plastic, leather, panel, POP and package	Car wrapping, package, and banner using PVC.

*1 As ink flexibility of LF-200 ink and stretchability of LF-140 ink vary according to the substrate, please verify your substrate in advance.
*2 LF-140 ink set does not include clear ink. You can use a combination with LH-100 clear ink.

More vivid images with white ink

White ink underprint prevents the transmission of light, resulting in more vivid images.

White Ink

4 colors + white ink　　4 colors only

* Sample print on transparent acrylic

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.
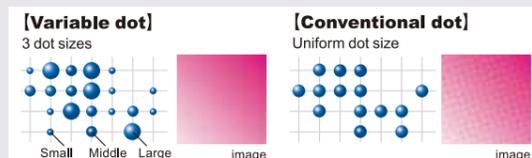
3M

3M™ MCS™ Warranty

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.

[Variable dot]
3 dot sizes

Small　Middle　Large　　image

[Conventional dot]
Uniform dot size

image

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

[Print speed]　　　　1　2　3　4　5　6 m²/h

Standard mode
600 × 900 dpi 6 Pass Bi-direction　　6.0

High quality mode
600 × 900 dpi 12 Pass Uni-direction　　3.6

White ink overlay print mode
600 × 900 dpi 6 Pass Bi-direction　　3.0