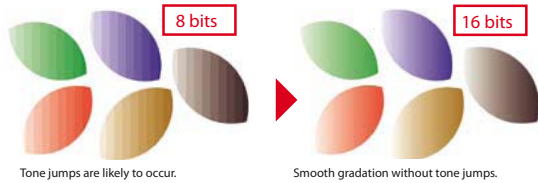


New generation output software with 16 bit rendering (a standard item)

The high performance RIP software is designed to fully enable all advanced features of the UJV-160 printer



RasterLink 4 SG

16 bit rendering eliminates tone jump and produces fine colour reproductions. Different images can be freely nested on the RIP. Various editing functions support effectively and productively the high print quality. Able to network in hybrid environments where Windows and Macintosh co-exist.

Specifications

Item	On-demand Piezo head	
Head	On-demand Piezo head	
Print resolution	600 dpi, 1200 dpi	
Ink	Type	UV-curable flexible ink (4 colour: YM,C,K)
	Max. capacity	880 cc (440 cc x 2 cartridge)/colour
Maximum Print width	Roll: 1610 mm (63.3"), Rigid: 1600 mm (63.0")	
Media	Width	1620 mm (63.7")
	Thickness	Max. 10 mm (0.39")
	Weight	Roll: less than 25 kg (55 lbs.)
		Rigid: less than 2 kg (4.4 lbs.)
Roll diameter	Inside: 2 inch, 3 inch / Outside: Less than ø 180 mm (7.1")	
Media cutting	Cut manually	
UV device	Equipped with two UV LED lamps	
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, I	
Power	AC100V~120V, 200~240V±10%, 50-60Hz±1Hz, less than 1.68Kw	
Operating environment	15°C~30°C, 35~65%Rh(No condensation)	
Dimensions (W x D x H)	Main unit	3300 mm x 780 mm x 1290 mm (129.9" x 19.8" x 50.7")
	Max. capacity + media sand	3300 mm x 4300 mm x 1290 mm (129.9" x 169.3" x 50.7") (Main unit and table with support wire)
Weight	Main unit	260 kg (573 lbs.)
	Media table	50 kg (110 lbs.) x 2 units

Supplies

Item	Colour	Item No.	Remarks
LF-200 Flexible UV Ink	Cyan	SPC-0558C	440 cc Cartridge
	Magenta	SPC-0558M	
	Yellow	SPC-0558Y	
	Black	SPC-0558K	
F-200 cleaning cartridge		SPC-0516FS	

Notice

- Ink performance of materials:
- Post-printing 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.



UJV-160

Mimaki



Innovative UV LED inkjet printer

PRINTING ON PVC AND VINYL MEDIA IS MADE PERFECTLY POSSIBLE WITH COOL UV LED CURING TECHNOLOGY

The UJV-160 is a problem solver

- No drying times, the printed media is dried immediately
- No media deformation, deformation is eliminated as UV LED does not create high temperatures
- Flexible UV inks stretch so inhibiting ink cracking
- UV LED technology provides the most environmentally-friendly solution for large format printing and is ECO compliant

Expanding business opportunities with innovation

* Some of the samples in this folder are artificial renderings * Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.) * The corporate names and merchandise names written on this folder are the trademark of the respective corporations - Inkjet printers print using extreme fine dots, so colours may vary after replacement of the printing heads, also note that if using multiple printer units, colours could vary slightly from one unit to other unit due to slight individual differences - Compositor's errors reserved

Mimaki is exclusively distributed in the UK & Ireland by:

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Authorised Hybrid Reseller:



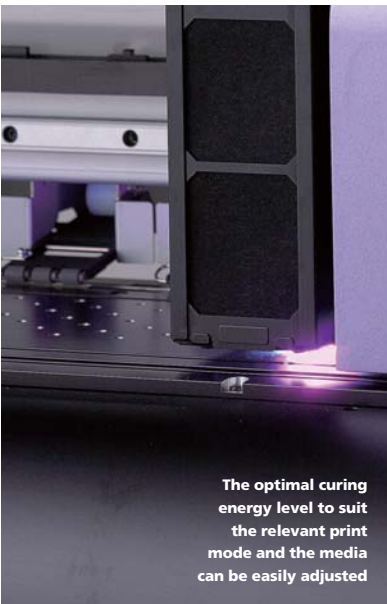
hybrid
 Mimaki Exclusive Distributors

UJV-160: the ideal solution for printing on PVC and vinyl media

Printers wishing to broaden their use of PVC and vinyl media are often afraid of drying times, deformation of media and cracking of inks. Mimaki has the solution. The UJV-160 uses breakthrough UV LED curing technology that eliminates all problems associated with printing on PVC and vinyl. This broadens the print service providers' portfolio greatly.



Enhanced performance by advanced technologies



The optimal curing energy level to suit the relevant print mode and the media can be easily adjusted

No drying time is needed with UV LED curing

Drying time has a direct effect on the productivity of an inkjet printer. UV curing enables instantaneous drying. Thus, no post printing drying time is necessary. Aqueous or solvent inks require post printing drying. This is eliminated using UV technology and, consequently, the media is ready for laminating immediately after printing. The job turnaround time from printing to processing is shortened and improves work efficiency and productivity.

Cool UV LED curing eliminates media deformation

Vulnerability to heat is one of the problems associated with printing on PVC. With the UJV-160 printers will not have to worry. Apart from PVC, the UJV-160 can also print on a multitude of other heat-sensitive materials as well as most other materials normally used in UV inkjet printing. Mimaki's first roll-to-roll inkjet printer using UV LED technology does not emit infrared rays which are the cause for thermal deformation of PVC. Effectively and

efficiently only the relevant UV-rays are emitted. This new UV LED curing technology enables problem free printing on PVC and other heat-sensitive materials.

Flexible UV LED curing inks enable printing on curved surfaces

Conventional UV curing ink has drawbacks, such as cracking when forming printed media to curved surfaces. Mimaki's new flexible UV LED curable ink employs a formula which enables expansion up to 200%. Thus, no cracking during post-processing will occur. The cured ink membrane does not crack, even when the surface is bent or curved. This enables printing on thin PVC to be used for vehicle wrapping, shutters and many more similar applications.

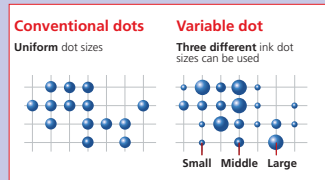
Environmentally friendly ECO Compliancy

The flexible UV-curing ink is ECO compliant! Mimaki's flexible UV curing ink does not contain any VOC (volatile organic compounds) that emit organic solvents into

the air. This eliminates the need for ventilation equipment and creates an environmentally friendly workplace.

UV LED lamps are ECO compliant

UV LED lamps have a longer lifetime in comparison to conventional metal halide lamps. Their energy consumption is about half or less of conventional UV-curing lamps. Additionally, UV LED curing technology does not emit short wave length ultraviolet rays that generate ozone, so the environmental footprint is further reduced.



Variable dot sizes
3 dot sizes, S, M and L, can be controlled. Also uniform dot size can be used.

High image quality with 1200 dpi and grayscale printing

The UJV-160 achieves its high image quality with a resolution of 1200 x 1200 dpi and prints in three variable dot sizes. This enables rich and vivid colours bringing the designer intended images to life.

By employing a printer heating system even higher image quality can be achieved.

The UJV-160 can be equipped with temperature-controlled pre-print heaters. Control of ink dots on film media enables glossy finishing without ink bleeding.

The head height adjustment serves to accommodate different media thicknesses.

Depending on the thickness of the media the head

height can be adjusted (step-less) from 1.5 to 12.5 mm. Media with various thicknesses can be handled with uniformly high printing quality.

Stable print results due to strong and reliable media holding plate.

Media holding plates on both sides prevent warping of the media during printing. Thus jamming is avoided and precise, reliable printing is achieved.

High quality prints with variable dot sizes at high speeds

Maintaining high quality with variable dots, print speed of about 7 m²/h can be realized at a standard print mode (600 x 600 dpi, 4 pass)

Hybrid large format inkjet printer for rigid materials up to 10 mm thickness

As standard, the UJV-160 comes with feed and delivery tables in order to enable printing, not only roll-to-roll, but also on rigid substrates. Thus printing on foam boards and other light weight materials up to a thickness of 10 mm is made possible. The tables are foldable, thereby saving space when not needed.

*Since print precision varies according to materials and its treatment of surface, please test media first.