330 *Series*
UCJV330-160/130

Mimaki

UCJV330-160

Leading the way for UV-LED technology

The Mimaki UCJV330-160 UV-LED roll-based cut-and-print device builds on popular Mimaki models with newly developed ink ejection technology that reduces color irregularities in high-density areas, even in high-speed mode. Clear ink can be printed as gloss over a color layer or as matte on transparent film. 2.5D print and watermark print functions have been added. Support for layered printing enables the creation of visual effects including day/night images. This 64-inch device can print on a variety of substrates including translucent, transparent, white or colored base media, PET, polyurethane and other resin films, cloth, and paper.
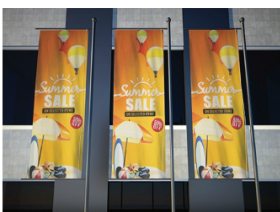
Outdoor signboard

Illumination signboard

Window graphics

Floor sign

Banners and flags (fabric)

Swing P.O.P. (PET film)

Label

Wallpaper

- **UV-LED printing requires no drying time for quick delivery**

- **Deliver highly profitable applications with clear ink that further expands creative opportunities**

- **Print&Cut: Proven cutting functionality - Supports for Various Output Operations**

Mimaki's UV printers are friendly to both operators and the environment

UV Printer is Eco-Friendly

UV printers use UV-LED light sources to cure the inks. These lights have low power consumption and long life, making them environmentally friendly. The UCJV330 is incredibly energy efficient. It consumes about half the power of a typical eco-solvent printer and conserves 1/3 the power of typical latex printer [1]

In these days of global environmental awareness, energy cost reduction is an important activity.

[1] Company research ; Comparison of maximum power consumption with latex machines in the market

Uses environmentally friendly UV inks

Inks for the UCJV330 Series are environmentally friendly UV ink that generates nearly zero VOCs.[2][3]
It cures without irradiation of short-wavelength UV light, which causes ozone generation.

■GRENGUARD Gold Certification
Based on the world's most stringent chemical diffusion standards, the GREENGUARD Gold certification guarantees that the product is suitable for schools and medical institutions.

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818
GOLD

[2] VOC = volatile organic compound
[3] Company research ; No volatile organic compounds are generated after UV curing. A very small amount may occur during the pre-curing stage.

Mimaki Cloud Technology PICT

The printer's operating status and ink usage can be monitored even when the user is away from the printer. It supports planned operations and lets you see the operational status and performance of Mimaki printers, which can be useful for planning purposes.
It also enables advanced scheduled maintenance and preparation for ink refills.

Cloud
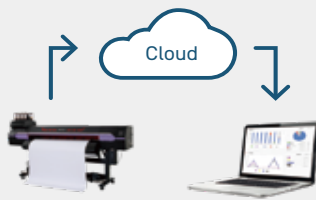
☑ Production control
☑ Preparing to refill ink
☑ Planning maintenance time
etc...

Raster Link 7

■ 2.5D output data can be easily created with the "2.5D Texture Maker" function.
■ Enhanced favorite settings and log pop-ups.

Operate machines remotely
MRA (Mimaki Remote Access)

Windows PC
Network of the same segment
Wireless LAN Router
smart phone
UCJV330
JV330
CG-AR
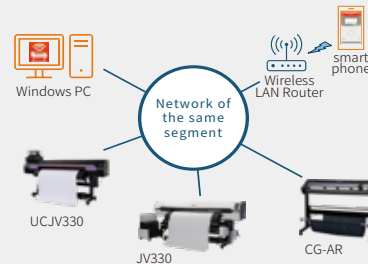
List ink type, heater temperature, and notification alerts on a smartphone or Windows-based PC.

The machine can be operated remotely with the same feeling as the control panel of the actual machine.

Lineup of optional items for a more comfortable production

XY Slitter

Inline X & Y-directional cutting is possible. The system reads the dedicated registration marks and automatically cuts the sheets, dramatically reducing labor and optimizing all post-processing.
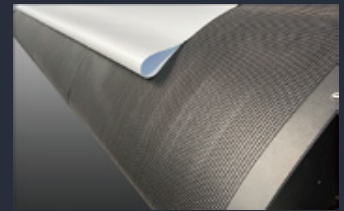
Media changer

Three-roll media can be set. Anyone can easily, safely and efficiently switch between media simply by turning the handle.

Ionizer

Eliminates static electricity on the media surface, stopping "nozzle deflection" and dust adhesion caused by static electricity.

Anti-static sheet

Prevents media from sticking, deflection of the media on the post heater, and other media transportation malfunctions caused by static electricity.

End face guide

Prevents end-face snaking on the media take-up. Stable take-up supports high quality printing.

Proofing Light
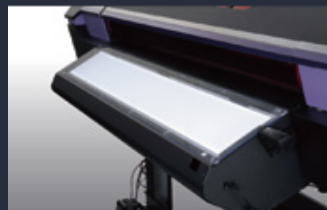
The light box is mounted on the front of the printer, allowing the operator to check the finished product when printing backlit design and decorative substrates.

Heater Options
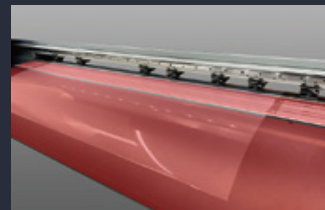
Print heater and post heater improves the adhesion of white ink.

Deodorizing Unit

By attaching a deodorizing unit, it is possible to significantly reduced the odor.

Print&Cut

Proven cutting functionality
Supports for Various Output Operations

Thanks to the instant-drying nature of UV-cureble inks, you can seamlessly perform print & cut operations, expanding your printing possibilities.

With just one machine, you can create a wide range of applications, inlcuding store decorations, posters, labels, stickers, wobblers, and more.

This versatile machine is also equipped with dunctions to increase efficiency, such as ID cut and zero-margin crop mark functions, which support automatic and continuous cutting of various data while reducing media waste.

■Specifications

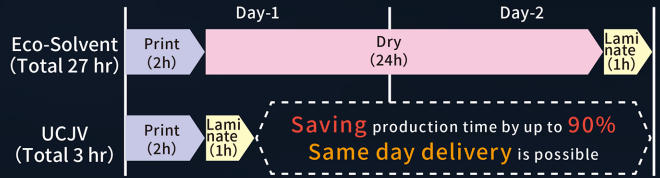| Item			UCJV330-130	UCJV330-160
Print head			On-demand piezo head (2 staggered printheads)	
Print resolution			600 / 1200 / 1800 dpi	
Head gap			3 levels by manual (2.0 mm / 2.5 mm / 3.0 mm)	
Ink	Type		LUS-170 / LUS-175 / LUS-190 / LUS-200 / LUS-210	
	Color	LUS-170/LUS-175	C, M, Y, K, Lc, Lm, W / C, M, Y, K, Cl, W or C, M, Y, K (Plan to support 2023 winter)	
		LUS-200	C, M, Y, K, W or C, M, Y, K (Plan to support 2023 winter)	
		LUS-190/LUS-210	C, M, Y, K, Cl, W or C, M, Y, K (Plan to support 2024 spring)	
	Capacity		1000ml	
Ink circulation			Circulation in damper MCT v2	
Max. Printable width			1,360mm (53.5 in)	1,610mm (63.4 in)
Media	Max. Width		1,370mm (53.9 in)	1,620mm (63.8 in)
	Outer dia.		φ250mm or less	
	Max. Load capacity		Standard : 1 roll / Option : 3 rolls (with the Media changer)	
	Weight		45kg (99.2 lb.) or less	
	Core dia.		2 / 3 inch	
Cut function	Cut speed / acceleration		Speed：Max.300 mm/s　　Acceleration：Max. 0.5G	
	Cut pressure		10~450gf	
	Cutter response times		10 times /sec	
	Repetition accuracy		±0.2 mm (Excluding expansion and contraction of film due to temperature)	
Interface			Ethernet 1000 BASE-T(Recommended) / USB 2.0 Hi-speed	
Power			Single phase AC100 - 120V±10% /12A or Single phase AC200 - 240V±10% /6A 50/60 Hz ±1Hz	
Power consumption			Max.1,440W or less ×1 / 800W (Continuous operation) / 4.5W or less (Sleep mode)	
Operational environment	Temperature		20 – 30 degC (68–86 degF)	
	Humidity		35 - 65% Rh (Non condensing)	
	Guaranteed accuracy temperature		20 - 25 degC (68 - 77 degF)	
	Dust level		0.15 mg/m3 or less (Equivalent to general office)	
Dimensions (WxDxH)			2,640mm x 800mm x 1,480mm (103.9 in x 31.5 in x 58.3 in)	2,890mm x 800mm x 1,480mm (113.8 in x 31.5 in x 58.3 in)
Weight			217kg (478.4 lb)	227kg (500.4 lb)

UCJV330-160/130

UV-LED printing requires no drying time for quick delivery

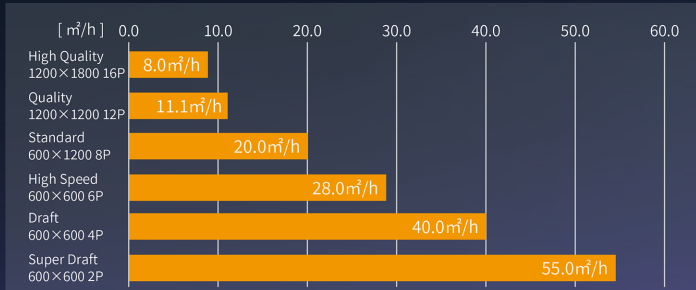UV ink cures and fixes to substrates when exposed to UV light (ultraviolet light).

This allows printed substrates to be post-processed immediately after printing, this includes laminating and cutting.

In addition, UV ink does not require a specific surface type and can print on a wide variety of substrates,
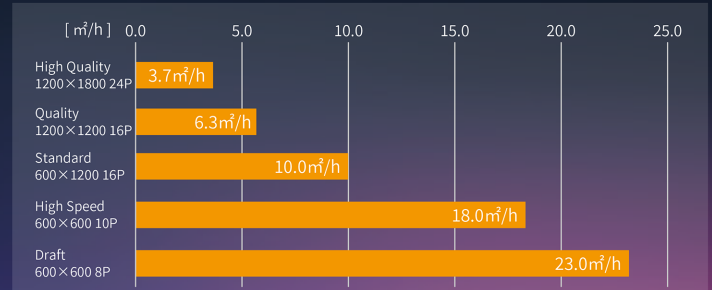
		Day-1	Day-2	
Eco-Solvent (Total 27 hr)	Print (2h)	Dry (24h)		Lami nate (1h)
UCJV (Total 3 hr)	Print (2h)	Lami nate (1h)	**Saving** production time by up to **90%** **Same day delivery** is possible	

Realize overwhelmingly high image quality with fast printing speed

4 Color

[㎥/h]

High Quality 1200×1800 16P	8.0㎥/h
Quality 1200×1200 12P	11.1㎥/h
Standard 600×1200 8P	20.0㎥/h
High Speed 600×600 6P	28.0㎥/h
Draft 600×600 4P	40.0㎥/h
Super Draft 600×600 2P	55.0㎥/h

*Draft/SuperDraft mode are only for banner media

6Color+SP/4Color+SP

[㎥/h]

High Quality 1200×1800 24P	3.7㎥/h
Quality 1200×1200 16P	6.3㎥/h
Standard 600×1200 16P	10.0㎥/h
High Speed 600×600 10P	18.0㎥/h
Draft 600×600 8P	23.0㎥/h

*Draft mode is only for banner media

4/6Color + White 2-layer print

[㎥/h]

High Quality 1200x1800 24p	1.9㎥/h
Quality 1200x1200 16p	3.2㎥/h
Standard 600x1200 16p	5.0㎥/h
High Speed 600x600 10p	9.0㎥/h

2 layer printing fastest **9.0 ㎥/h**
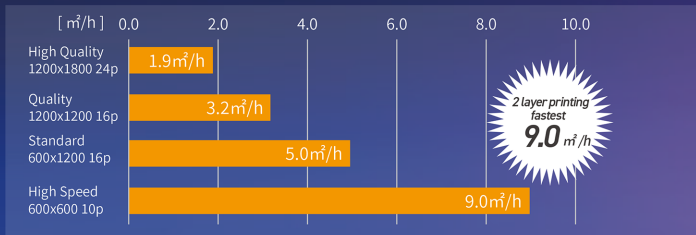
4/6Color + White 5-layer print

[㎥/h]

High Quality 1200x1800 24p	0.7㎥/h
Quality 1200x1200 16p	1.3㎥/h
Standard 600x1200 16p	2.0㎥/h

5 layer printing fastest **2.0 ㎥/h**