

UJV100-160Plus



For
SIGN
GRAPHICS

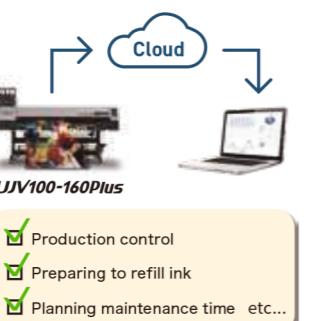
Standard RIP Software

Raster Link 7**Supporting the beauty of prints and operability**

- Ink Saving Function - Easy to operate for everyone
- Supports cut data output to our entry model cutting plotter, the CG-AR series

Mimaki Cloud Technology **PICT**

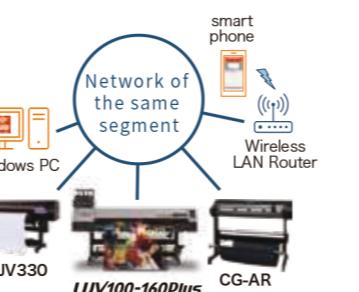
The printer's operating status and ink usage can be monitored even when the user is away from the printer. It supports planned operations, such as performing other tasks while printing is in progress. It also enables advanced planning of maintenance schedules and preparation for ink refills.



Operate machines remotely

MRA
(Mimaki Remote Access)

List link 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.

**■ Print speed**

①Gloss PVC in 4-Color Set		②Banner·Synthetic paper 4-color Set		③Transparent Film 4C + W/CL Set 1 or 2 layer (No Pull-back printing)		④Transparent Film 4C + W/CL Set 2 or 3 layer (Pull-back printing in use)		
Print Mode	Print Speed(m/h)	Print Mode	Print Speed(m/h)	Print Mode	Print Speed(m/h)	Print Mode	Print Speed(m/h)	
High Speed	360×1200 8P Bi	18.6	Draft	300×900 6P Bi	23.0	High Speed	360×1200 8P Bi	9.3
Standard	720×900 12P Bi	13.6	High Speed	360×1200 8P Bi	18.6	Standard	720×900 12P Bi	6.8
Quality	720×900 16P Bi	10.0	Standard	720×900 12P Bi	13.6	Quality	720×900 16P Bi	5.0
High Quality	1200×1200 16P Bi	7.0	High Quality	1200×1200 16P Bi	7.0	High Quality	1200×1200 16P Bi	3.5
								1.8

*Print speed is half of the above figure when printing ①② in 4C + W/CL Set

*Media pull-back operation time and RIP time after pull-back are excluded

■ Specifications

Item	UV100-160Plus
Print head	On-demand piezo head (double head staggered layout)
Printing resolution	360 dpi, 720 dpi, 900 dpi, 1200dpi
Ink	Type/Color UV-curable ink LUS-170, LUS-190, LUS-210 (C,M,Y,K,W,CL) *Availability varies depending on the regions
Capacity	1L bottle
Maximum drawing range	1,610 mm (63 in)
Maximum width	1,620 mm (64 in)
Thickness	1.0 mm or lower
Roll diameter	φ 250 mm or less
Roll weight	45kg (99 lb) or less
Inner diameter	2 inch / 3 inch
Interface	USB 2.0 / Ethernet 1000BASE-T
Power specifications	Single-phase AC100-120V±10%/12A, AC200-240V±10%/8A, 50/60Hz±1Hz
Power consumption	Maximum 500W (operating), 4.5W (sleep)
Operational environment	Temperature: 20-30 degC (68-86 degF) Humidity: 35-65%Rh (without condensation)
Certifications	VCCI-class A, FCC class A, ETL IEC62368-1, CE Marking (EMC, Machinery Directive, Low voltage, RoHS) CB, REACH, Energy Star, RCM, EAC
External dimensions (WxDxH)	2,775 x 700 x 1,475 mm (109 x 28 x 58 in)
Main unit weight	167 kg (368 lb)

⚠ Inks and substrates:

Please note that properties and adhesion, weather resistance, etc. of ink and substrates can vary.
Please test materials before printing.

⚠ Safety notice: These printers produce UV radiation.
To protect your health, please observe the following guidelines carefully:
● Do not look directly into the UV light source, or expose your skin (such as your hands) directly to the UV light source.
● Depending upon the print mode, some VOCs could be emitted from printed area not yet cured and hardened.
● In addition, please read and follow the instructions and guidelines of the manual carefully.

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Green Technology



UJV100-160Plus

Expert printing made easy.

UV is Eco, an environmentally and people-friendly choice.

Printers that use UV-LEDs are extremely energy-efficient and environmentally friendly.

Efficient energy use leads to lower CO₂ emissions and contributes to business sustainability.

The printer is also operator-friendly, using GREENGUARD-GOLD certified ink that generates almost no substances that may affect the human body.

Pursue business efficiency and diversity with UV

Substrates printed using UV inks can be post-processed immediately after printing, such as lamination and cutting.

The printer also supports a variety of substrates, including transparent film or paper without a receiving layer. Furthermore, the combination of white and clear inks greatly expands the range of applications.

3 new features

Ink Saving Function

Reduce ink usage while maintaining color balance

Ink usage is reduced by up to 50% while maintaining the natural color gradation of the design. In addition to power costs, the UJV100-160Plus is a user-friendly, sustainable unit that reduces ink costs through simple operation.



[CAUTION]

Since the Ink Saving Function replaces CMY ink with K, graininess may be noticeable in some data.

Please change the ink saving level according to the nature of your work.

Pull-Back Printing Function

Up to 3-layer printing - Express your ideas freely

2-Layer Print

Both printing orders are possible regardless of the ink set orders

Vivid expression on colored substrates

White ➡ Color



Vivid expressions on transparent substrates

Color ➡ White



Application : Labels



Application : Window Graphics

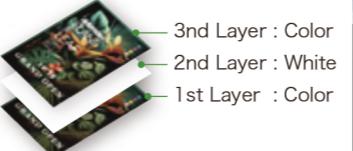


3-Layer Print

Even more versatile expressions with the Pull-Back Print Function

Faithful color representation for day and night

Color ➡ White ➡ Color

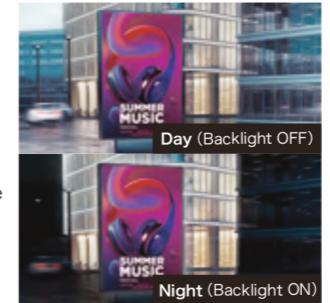


A variety of expressions in one piece

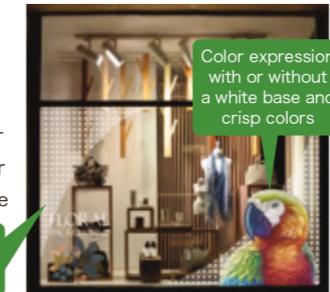
White ➡ Color ➡ Clear



Application : Backlit Signage



Application : Window Signage

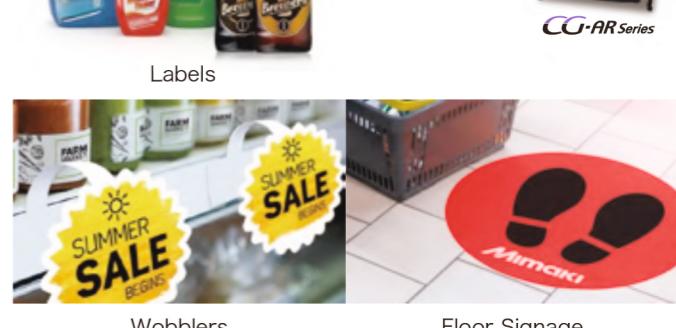
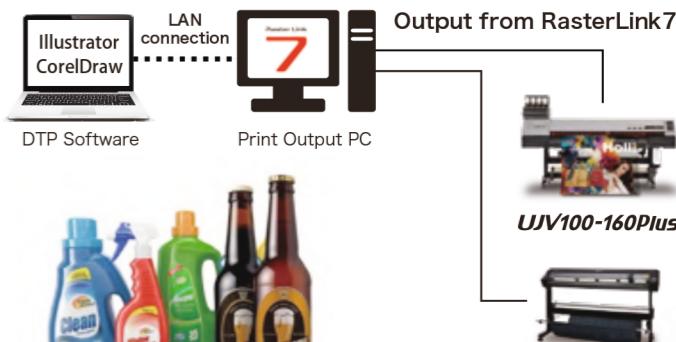


Direct cut data output from RasterLink7 to the CG-AR vinyl cutter

Convenient printer and plotter interlocking for improved usability

Print + cut linkage is possible even if the output PC does not have DTP software.

Improved work efficiency by eliminating the need to launch dedicated cutting software



Mimaki's technology pursues high quality, operability and stable production



Stable high density x quality

MAPS4 : Mimaki Advanced Pass System

The printing pass borders are printed in a gradation style to achieve smooth printing even at high densities.

Automatically optimizes output according to printing conditions

(With MAPS4) ➡ image



(Without MAPS4) ➡ image



Reproduces standard image quality, achievable at a beginner operator level

DAS : Dot Adjustment System

Automatically performs necessary adjustments when media or print conditions are changed. Supports print output by reducing labor and operator adjustment variation.

Blurring due to dot misalignment

Overlapping lines by feed-error

Gaps due to feed-error

Automatic adjustment by DAS



Even in case of nozzle trouble Continuous output without waste

NCU & NRS

NCU(Nozzle Check Unit)

A sensor detects nozzle defect and nozzle cleaning performed automatically to reduce the material waste.

NRS(Nozzle Recovery System)

Supports continuous production without waiting for service personnel, when nozzle defect is unrecoverable by nozzle cleaning.

*The function may be limited by missing-nozzle position and amount

