Next Standard

UJ330H-160



Hybrid LED-UV Curing Inkjet Printer

MIMAKI ENGINEERING CO., LTD.
Global Marketing SG
2026/04/20 Ver1.2

Next Standard

A hybrid UV printer for both roll and rigid printing in one machine

Handle a wide range of sign jobs with this one machine

Roll

Keep your current roll business with confidence.

Plus, high media feed performance expands the range of jobs you can handle.



- Signage
- Wallpaper
- Backlit
- Banner
- Floor Graphics
- Labels

Media Width	Max. Weight	Max. Thickness*
Min. 8.2" Max. 63.8"	99 lbs	2 inch

Rigid

When needed, one machine also handles rigid media.

Supports a wide range of sizes, from A4 up to 5×10ft.
Bring production in-house without outsourcing or major capital investment.



- Board Sign
- Channel Letters
- Acrylic Sign
- Menu Boards
- Lacquerware

Media Width	Max. Thickness
Min. 8.2" Max. 63.8"	50.8mm

Media Length*	Max. Weight
Min. 11" Max. 120"	55lbs

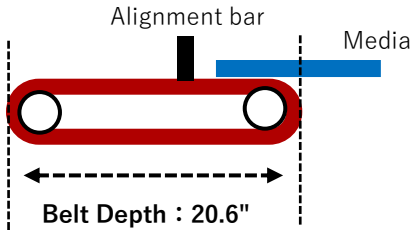
※ 1 Roller Table Assy : up to 1,300mm
2 Roller Table Assy : up to 2,500mm

Overview

Belt Conveyor System

Stable transport of roll materials and rigid materials

Max. Thickness：2"



UV Ink: Capacity 1,000ml

Ink	Ink Set	
ELS-170 ELS-175*	4 colors	MCYK KYCM
	4 colors + CL + W	MCYK ClCl WW
	6 colors + W	MCYK LmLc WW
LUS-210*	4 colors	MMCCYYKK
	4 colors + W	MMCCYKWW



330 Engine Stagger Mounted

Automatic adjustment function DAS2

Simple adjustment with one button

Cloth wiper

NCU & NRS

Continuous output without waste even during nozzle troubles

Single Take-up System

Productivity

High-speed mode
4 color: 236.8 sqft/h, 8 color: 150.7 sqft/hr
Standard mode
4-color: 172.2 sqft/hr, 8-color: 91.5 sqft/hr

Options: Roller Table Assy

Media Length
- 1 Roller Table Assy ：up to 51.1"
- 2 Roller Table Assy ： up to 98.4"

Maximum Media Width (Roll & Rigid) : 63.78"

*ELS-175 and LUS210 are region-specific inks

Product Features

01

Supports roll media that was previously difficult to transport

Expand Your Applications

02

Supports a wide range of rigid media

Improve Workflow Efficiency

03

330 Quality — Fast & Beautiful

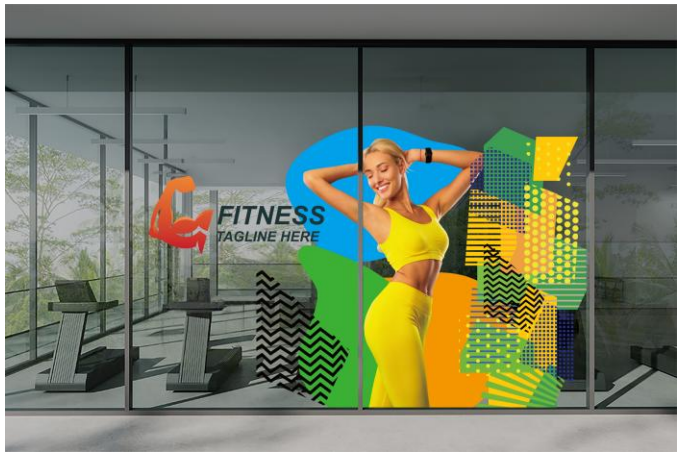
01

02

03

Supports roll media that was previously difficult to feed

Expand Your Applications







Expand Your Applications

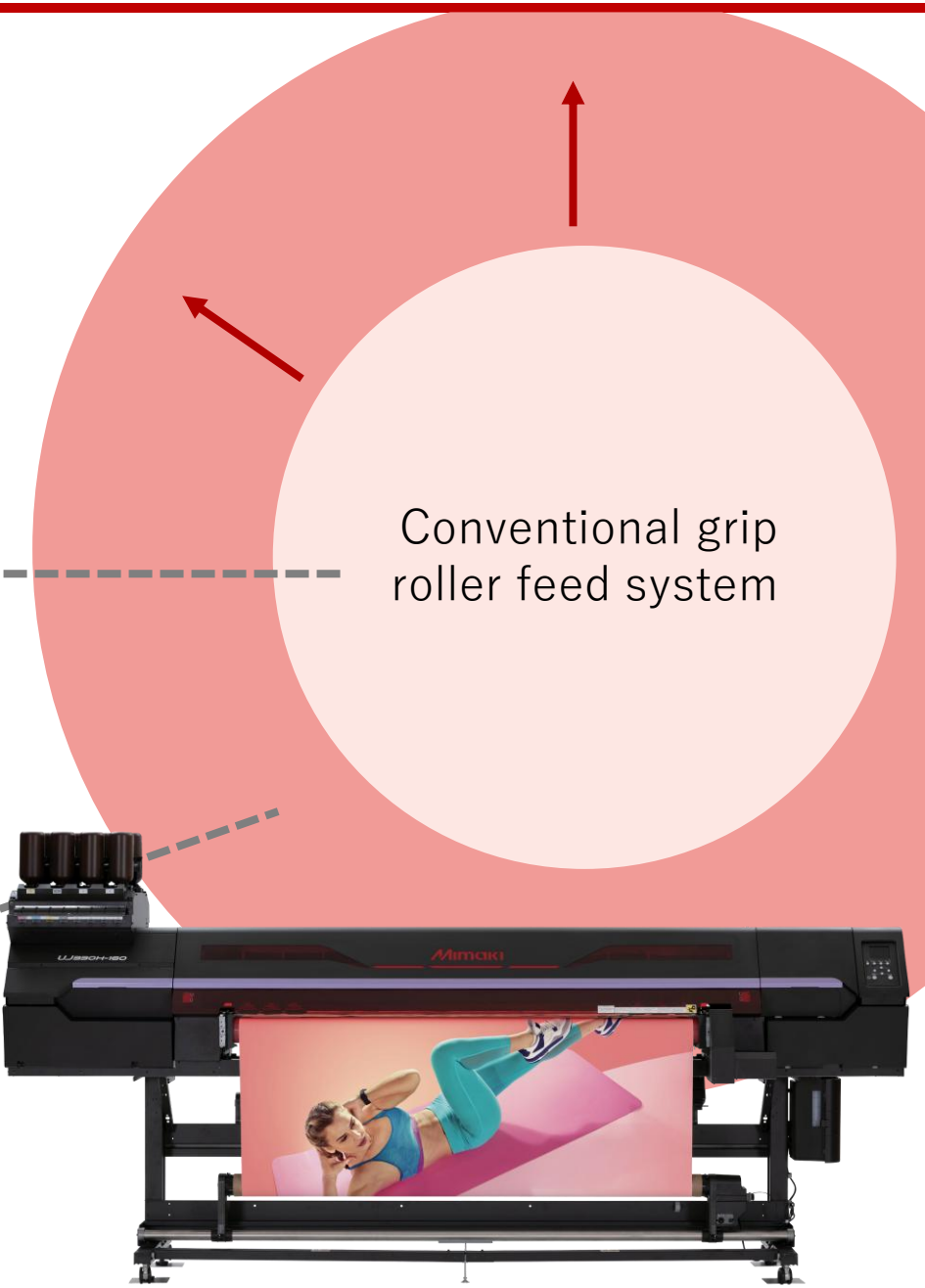
Keep your current jobs with confidence

Standard roll materials like PVC, wallpaper, and tarpaulin can be printed with the same familiar operation and quality as before

+

Thanks to belt conveyance, it can handle media that was previously difficult to transport.

Soft sign media / Flexible PVC rolls / Transparent media / Synthetic leather, etc.



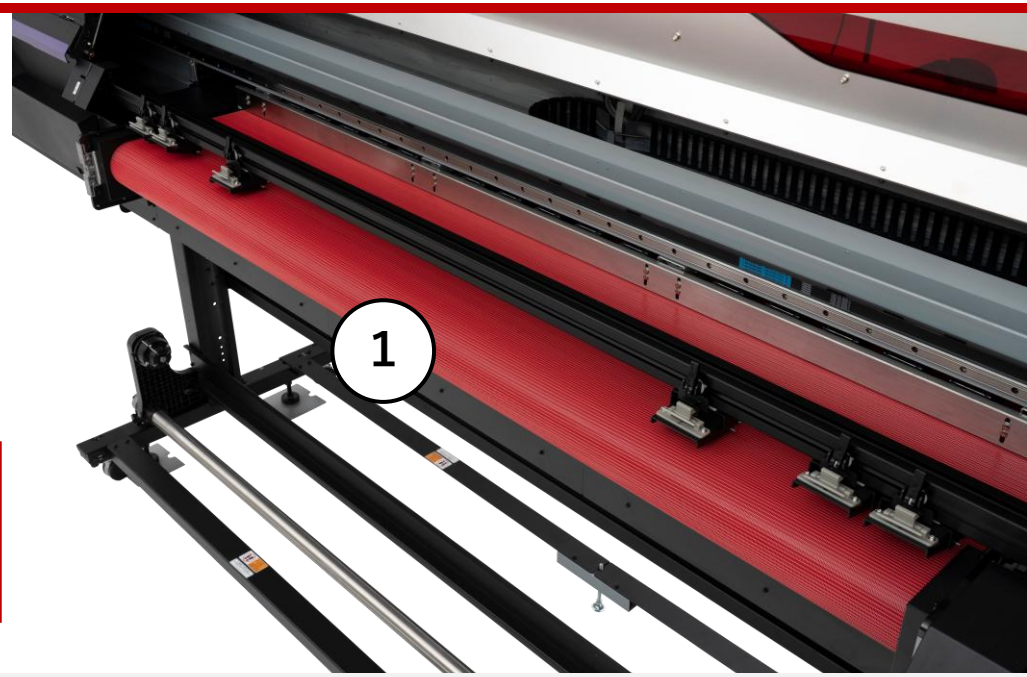
01 Expand Your Applications

Q. Why does belt conveyance expand media compatibility?

It supports the media with a “surface,” not “points,”

so it handles more types of media reliably.

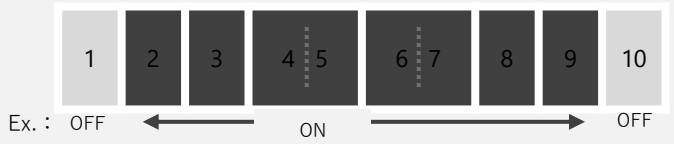
Less wrinkling	Less lifting	No roller marks



Belt Transport System for Roll Media

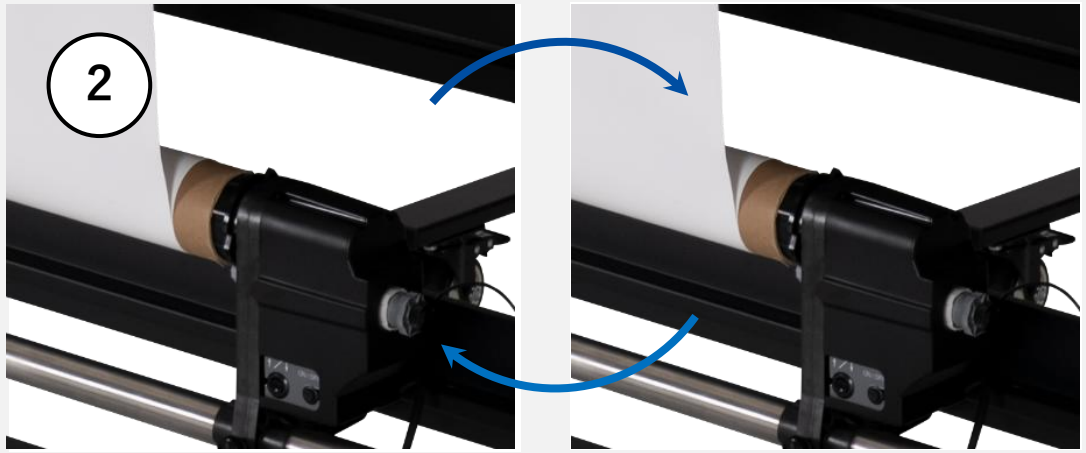
① **Auto Vacuum:** Holds the media firmly in place with strong suction

With 8-zone control, suction is applied only to the required areas based on the media width.
(Structurally, the system is divided into 10 sections, but it can be controlled across 8 areas. Areas 4–5 and 6–7 operate together.)



② **Hybrid-Specific Alternating Take-Up System**

By alternately controlling transport and take-up, the system keeps media tension consistently stable during printing, helping suppress lateral drifting (tracking) and skew.



- Feeding in progress
- Winding operation stopped

- Feed operation stopped
- Winding operation in progress

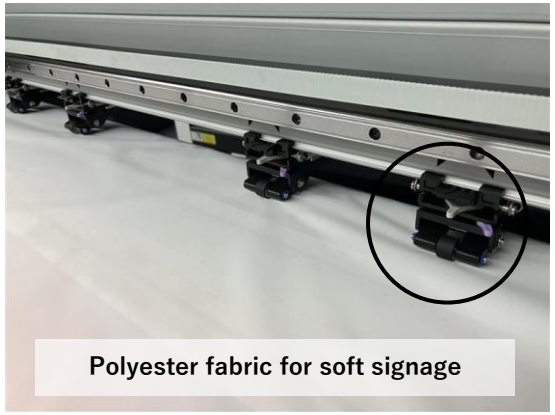
01 Expand Your Applications

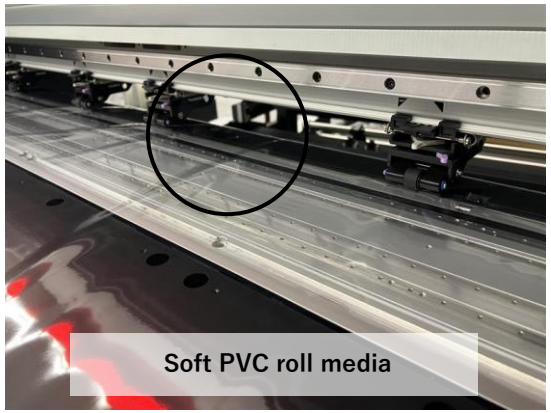
Before：Thin, soft, and stretchable media was difficult to transport.

Reliably transports thin, soft, and highly stretchable media.

Grit-roller transport

Point contact support can cause wrinkles and media lifting.

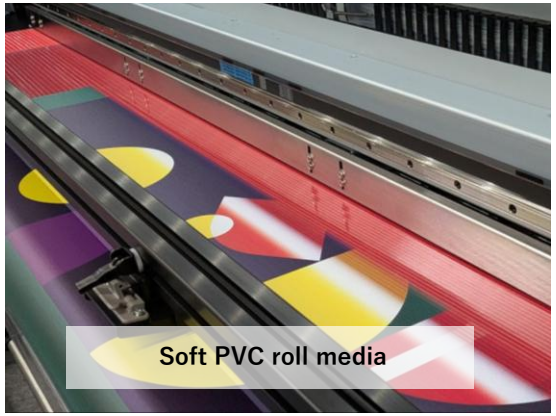




UJ330H Belt conveyance

Full-surface support helps prevent wrinkles and lifting.





Verified Media: Soft Sign Media HEYTEX7810-0291 Digitex Decolite 63"
Soft PVC Roll: Achilles Magikiri II 53.9 width × 118"

Expanding sign applications with the UJ330H

• Polyester fabric for soft signage

Applications: Backlit displays / light boxes / indoor décor



Benefits of using soft sign media
- Lightweight for smooth- transport/installation/replacement
- Non-PVC material makes it suitable for environmentally conscious projects

• Soft PVC roll media

Applications: Space dividers / tent signage / promotional goods



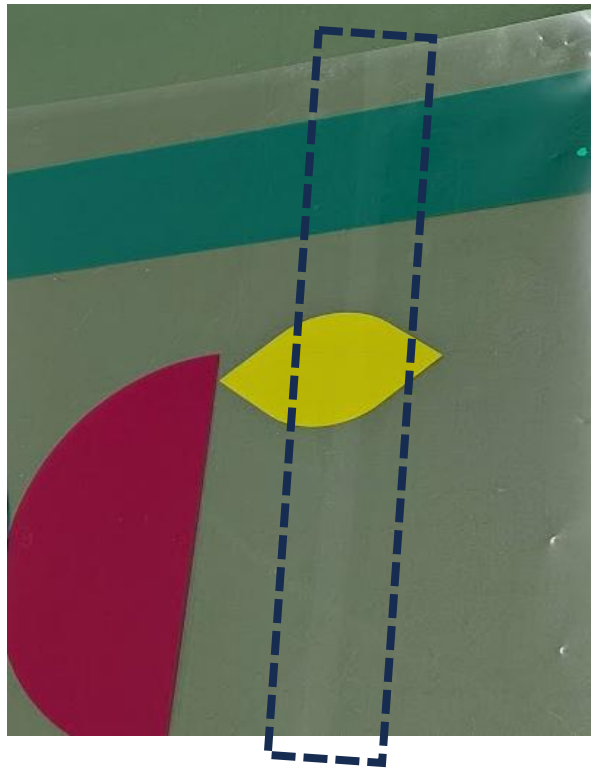
01 Expand Your Applications

Before : Roller marks could appear on transparent media.

No worries about roller marks—even on transparent media.

Grip-roller transport

Roller marks are more likely to occur.



UJ330H Belt conveyance

Because it does not use pinch rollers, it prevents roller marks.



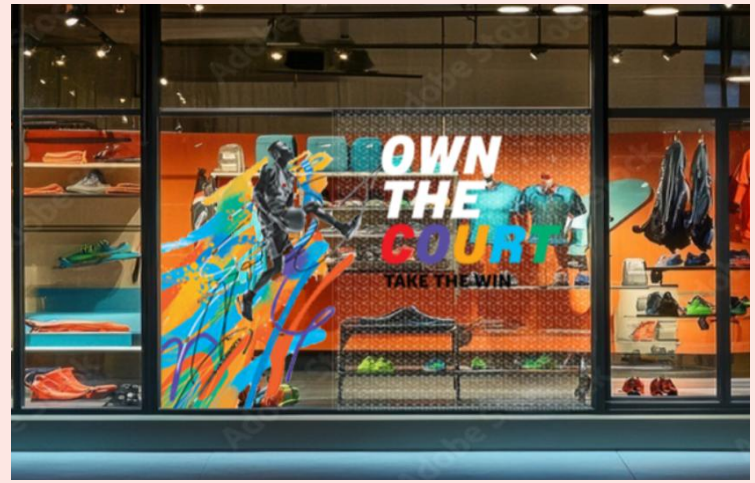
Verification Media: Soft Sign Media HEYTEX7810-0291 Digitex Decolite 1,600mm Soft PVC Roll Achilles Magikiri II 1370mm Width × 30m

Expanding sign applications with the UJ330H

Transparent media

Applications:
Window graphics / privacy films (screening) / décor

Deliver with greater confidence and higher quality than ever before.





Expanding possibilities — The UJ330H connects you to your "next job" —

Synthetic leather

Applications:
Bags, shoes, car & motorcycle seats, and more

Apparel brands / customization shops, etc.



- Ideal for small-lot, high-mix production
- Prints fine designs directly, including photos, illustrations, and gradients
- Supports media thickness of 1 mm or more

Carpet

Applications:
Trade show booth graphics / space décor, etc.

Event Companies/Sign Makers
Exhibition Construction Companies



・Enable full-space proposals **including floor graphics**
・By proposing **walls** + **floors as a set**, you can increase added value for trade show and event projects



Product Features

01

02

03

Supports a wide range of rigid media

Improve Workflow Efficiency







Reliable Media Feeding for a Wide Range of Rigid Media

Large-format media



Warp-prone media



Stable Media Feeding

Thick media



Examples of transportable media (in-house evaluation)

Type	Media Name	Size		Concave Warp	Convex Warp
Dispa	DISPA	4'x8'	t=4	○	○
GatorFoam	GATORFOAM	4'x8'	t=13	△	○
D-Boad(Eco Board)	D-BOARD	4'x8'	t=16	○	○
Rigid PVC	KOYO-PVC	3'x6'	t=5	○	○
Aluminum Composite Panel	DIBOND	4'x8'	t=3	○	○
Styrene	goo panel	4'x8'	t=5.5	○	○
High-density Urethane (HDU) foam (Face: PVC)	Serura HI Board	3'x6'	t=30	△	○
High-density Urethane (HDU) foam (Face: Aluminum)	W channel White	3'x6'	t=30	×	×
Foam Board	FOME-CORE	4'x8'	t=5	○	○
Corrugated Board	Flute W(Paper mounted)	3'x6'	t=3.2	○	○
Acrylic	Acrylite EX001	1000 x 2000	t=6	○	○

○	Transport possible with warp correction (media can be conveyed with no gap between the belt and the media).
△	Transport possible, but print quality may be affected (the gap between the belt and the media is 2 mm or less).
×	Transport not possible because warp cannot be corrected (warp is severe—more than 2 mm—and may cause contact with the printheads or the alignment (abutment) bar).

Results may vary depending on media condition and environmental factors.

Why Stable Media Handling Is Achieved

Stable media handling is enabled by UV technology without heat and a belt conveyor system that supports the media across its surface.

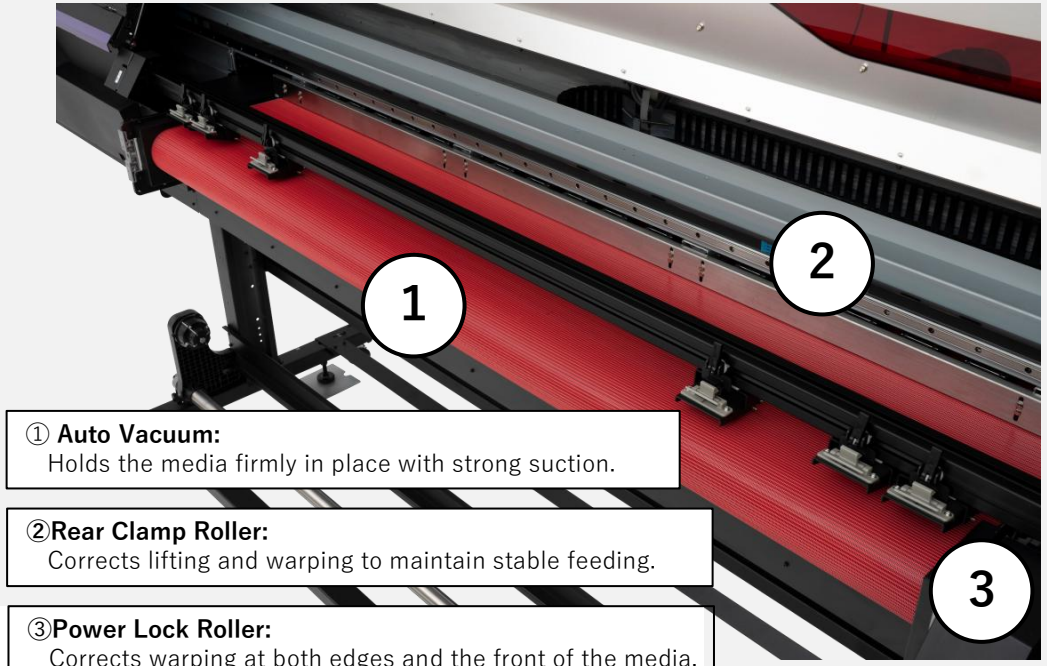
UV Technology

Because UV printing does not use heat, media is less likely to warp or deform.

	UV Technology	Latex Technology
Ink Curing/Drying	Instant curing with UV	Drying with heaters
Heat Used	**Not required**	**Required (approx 158–230° F)**
Effect on media	Less prone to warping or distortion	Risk of warping/distortion
Stability during printing	Stable shape and reliable transport	Transportation failures and jams due to thermal deformation jams due to thermal deformation

Stable media shape leads to stable media handling.

Mimaki's 3-Way Belt Conveyor System



① **Auto Vacuum:**
Holds the media firmly in place with strong suction.

②**Rear Clamp Roller:**
Corrects lifting and warping to maintain stable feeding.

③**Power Lock Roller:**
Corrects warping at both edges and the front of the media.

3-point support for **stable transport** tailored to the material

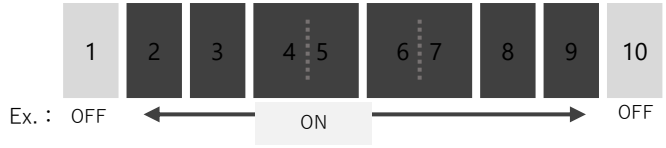
Rigid Material Transport Mechanism

Mimaki's Unique 3-Way Belt Conveyor System



① Auto Vacuum: Holds the media firmly in place with strong suction

With 8-zone control, suction is applied only to the required areas based on the media width.
(Structurally, the system is divided into 10 sections, but it can be controlled across 8 areas. Areas 4–5 and 6–7 operate together.)



② Rear Clamp Roller

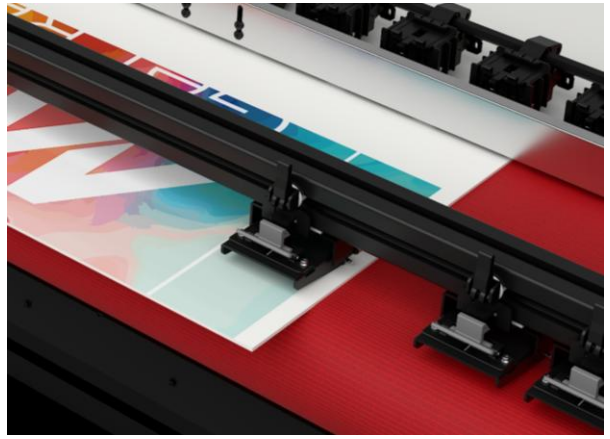
Corrects lifting and warping to maintain stable feeding.



③ Power Lock Roller

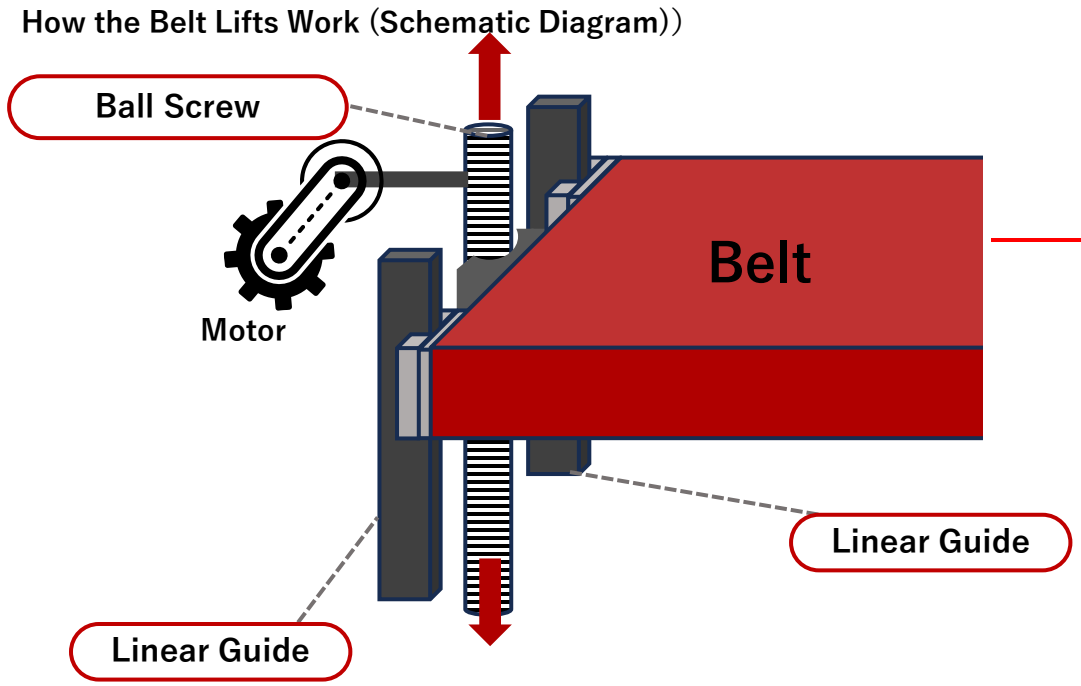
Corrects edge and leading-edge curl/warp, helping keep the media flat and stable.

Combined with the Rear Lock Roller, it securely holds the media at both the front and rear of the carriage.
Even large-format media and heavily warped media can be transported stably.



Why Stable Belt Lifting

Independent left-right control + four guides ensure stable belt elevation

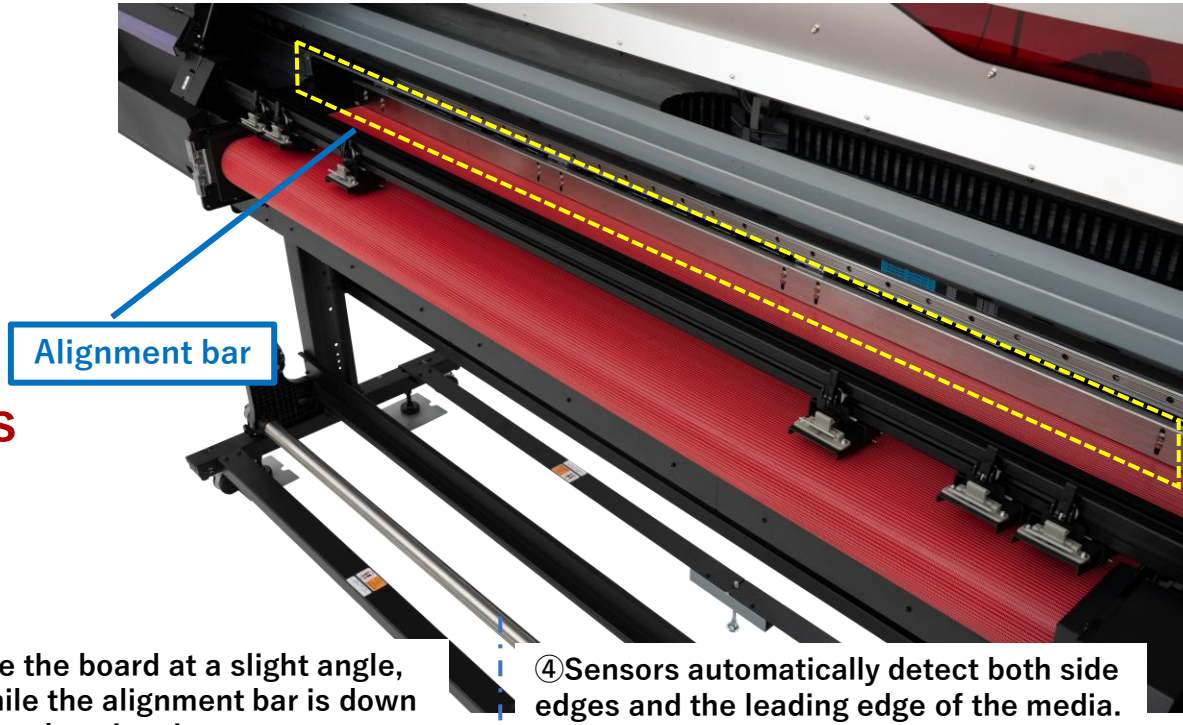




- The left and right ball screws are independently controlled by motors to achieve precise belt elevation.
- Four linear guides, two on each side, suppress tilting and misalignment to maintain a level belt position.

Easy and accurate rigid board setup for anyone.

- **Just push against the alignment bar to set it straight to the belt**
- **Automatically detects side and leading edges for easy positioning.**



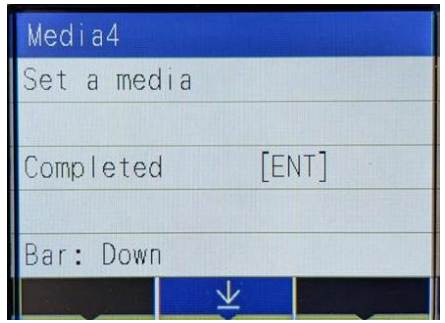
Setup Steps

①Align the media against the alignment bar.

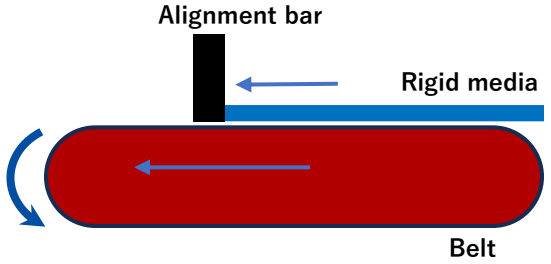


You can position it quickly and correctly without confusion.

②Press the button.

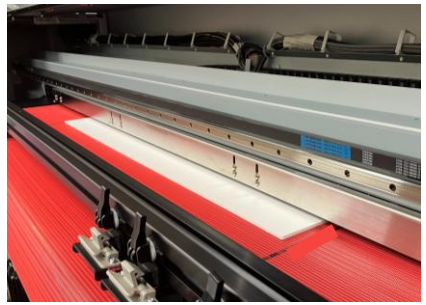


③Even if you place the board at a slight angle, the belt moves while the alignment bar is down and pushes the board against it, so you can set it square to the bar.



Even if it is set at an angle, it is corrected automatically for peace of mind.

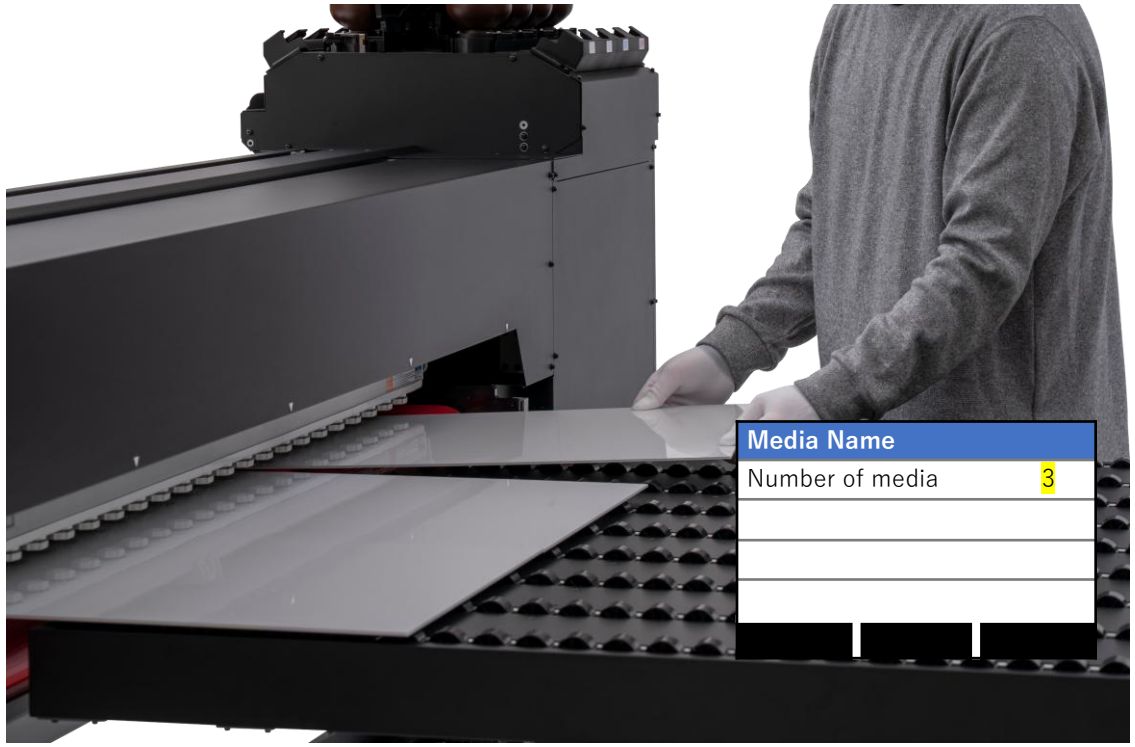
④Sensors automatically detect both side edges and the leading edge of the media.



Automatic detection makes positioning easy and helps prevent mistakes.

For transparent media, manual detection is required.

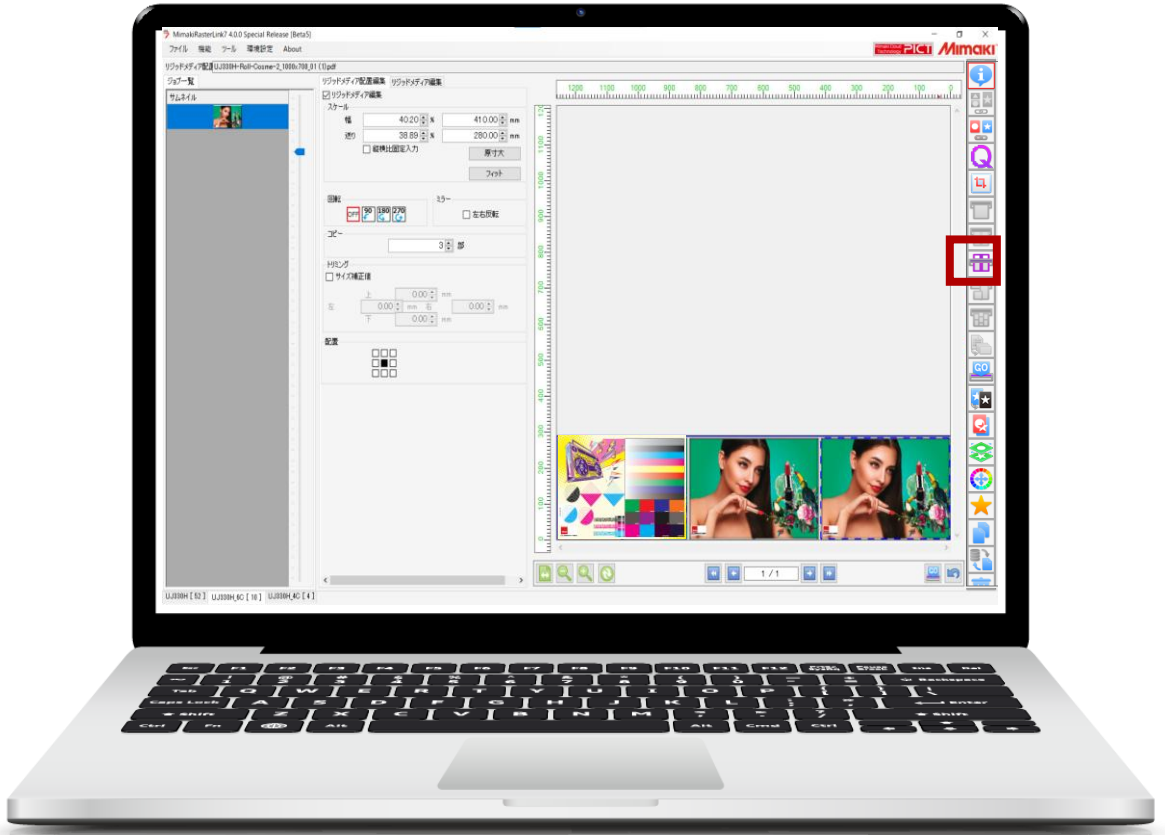
Print up to 7 boards at once
to reduce handling and improve overall productivity.



Specify the number of prints when loading media

*Scheduled for release on April 1 in Driver v5.12.0

RasterLink7 | Rigid Media Placement Printing



Easy setup—layout and copy quantity can be configured all at once in the RIP.

02 Improve Workflow Efficiency

Changes in production environment：

Shorter lead times	Increase in board projects	Staff Shortages

Conventional grid system

Bring rigid printing in-house and reduce manual work.

Make your workflow more efficient.

Before

Print on film
→ Lamination / Outsourcing

- **Mounting onto boards takes time and manpower.**
- **There is a risk of rework due to bubbles, wrinkles, or misalignment.**
- **Outsourcing adds cost and makes delivery schedules difficult to control.**

UJ330H

Direct-to-board printing / In-house production

- **Eliminate the mounting step**
- **More consistent, reliable finish**
- **Increase profit by bringing outsourced jobs in-house**
- **Shorter lead times / faster turnaround**



01

02

03

330 Quality — Fast & Beautiful

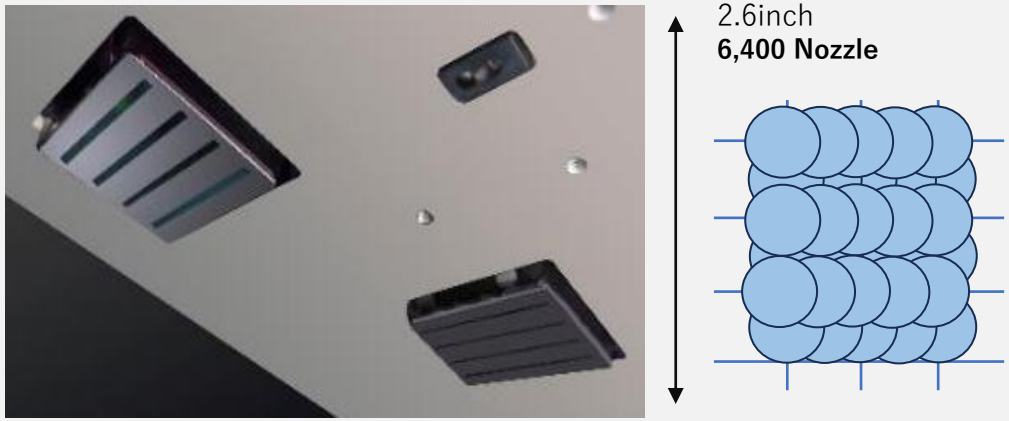


High image quality with reduced banding and unevenness at a high productivity of 150.7sqft/hr.

*When using 4-color + SP or 6-color + W ink sets

Reasons for High Image Quality

Equipped with the staggered 330 Engine



Delivers **high-density ink deposition in a single pass**. Even at **low-pass settings**, images fill in cleanly—so you can **maintain image quality at high speed**.

Mimaki Core Technologies that support high image quality

- **Suppress banding and unevenness even at high speed** *(330 Discharge Control)*
- **Compensate for head-to-head variation to stabilize print quality** *(MWDT)*
- **Smooth pass boundaries for less banding** *(MAPS4)*
- **Reduce graininess and deliver smoother gradations** *(Variable Dot)*

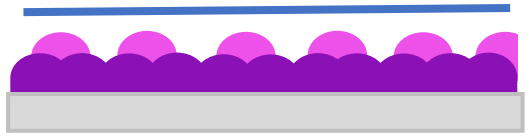
Beautiful solid color with reduced banding and unevenness



CMYKCLCLWW High Speed mode 600x900 12pass

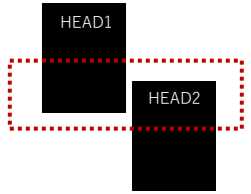
● 330 Nozzle Control Technology

Uniformizes the printed surface and suppresses visible gloss banding (streaks) even at high speeds.



● MDWT(Mimaki Weavig Dot Technology)

Compensates for subtle head-to-head misalignment and adjustment differences to reduce banding.



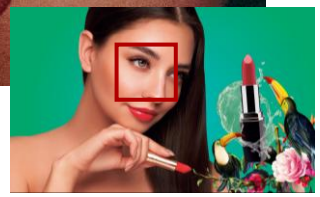
●MAPS4

Blends pass boundaries to make banding and density unevenness less noticeable.



Smooth skin tones and gradations with minimal graininess

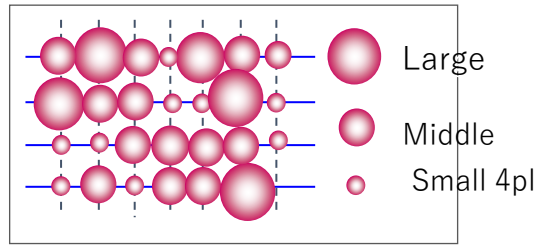


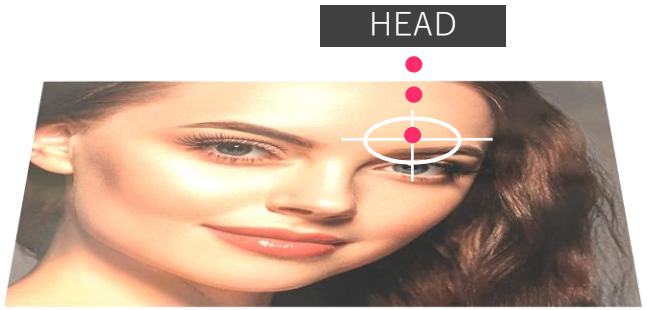


CMYKCLCLWW High Speed mode 600x900 12pass

● Variable Dot

Optimally selects from **three dot sizes (small/medium/large)** to create smoother tonal transitions.Precisely controls droplets down to **4 pl**, reducing graininess.



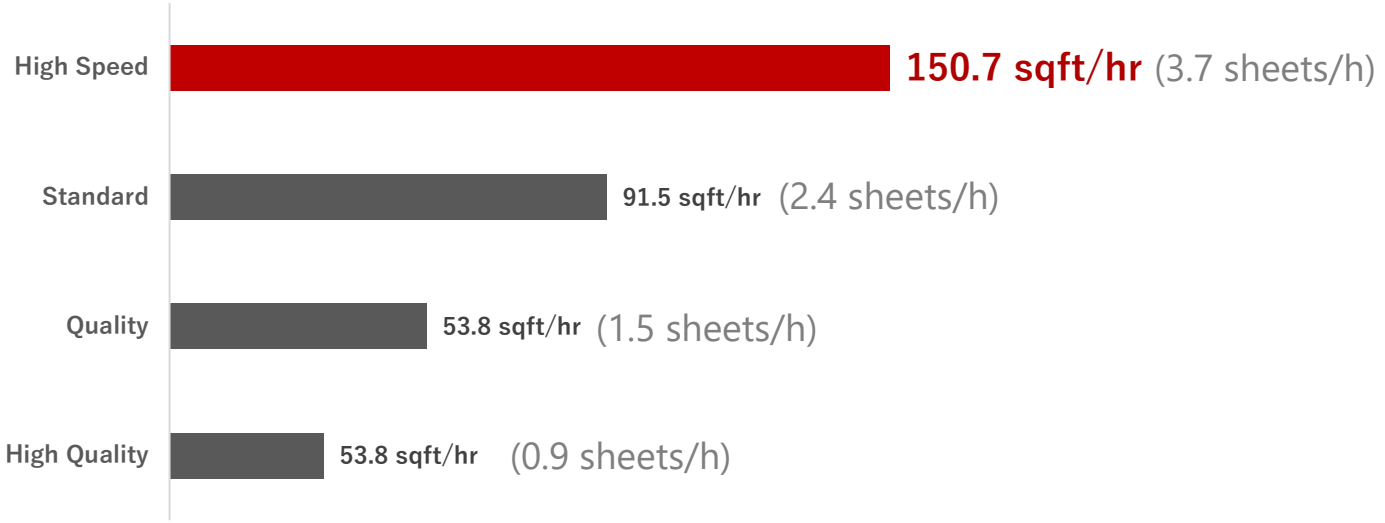


4-color/6-color + SP

Practical Speed

150.7sqft/hr

Mode	Resolution	Path	Speed	Rigid 4x8 Size*
High Speed	600x900	12pass	150.7 sqft/hr	3.7 sheets/h
Standard	600x1200	16pass	91.5 sqft/hr	2.4 sheets/h
Quality	1200x1200	16pass	53.8 sqft/hr	1.5 sheets/h
High Quality	1200x1800	24pass	32.3 sqft/hr	0.9 sheets/h



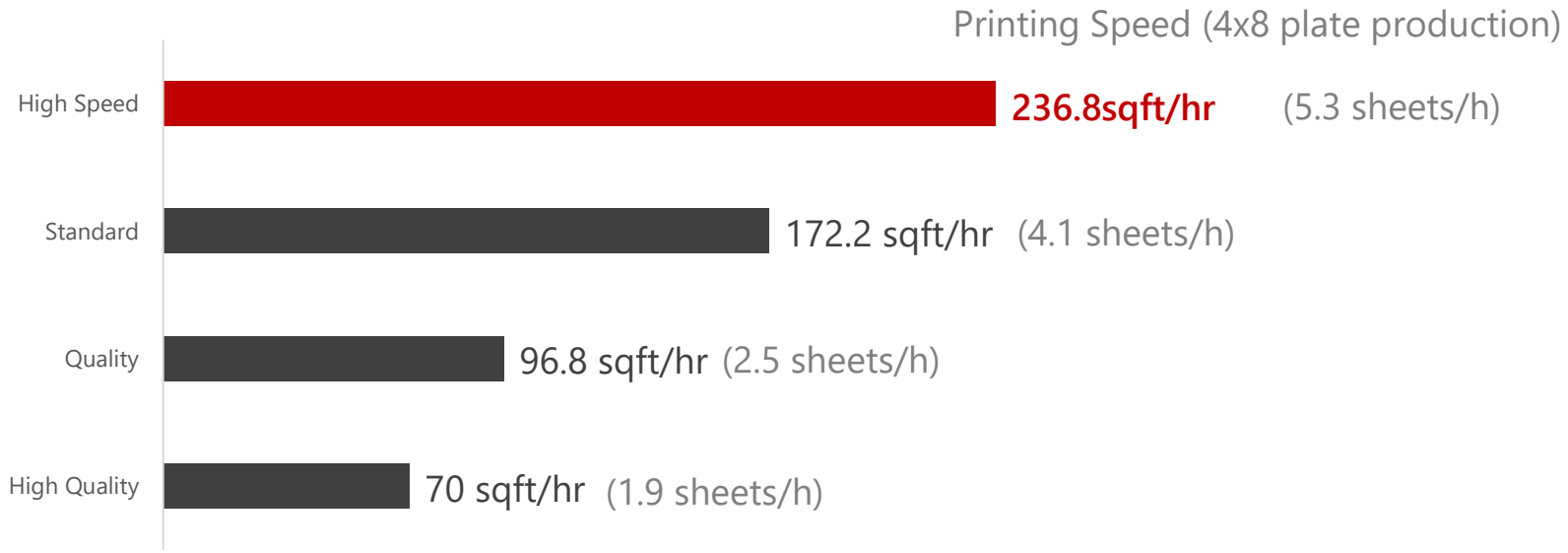
*Rigid Media Speed Calculation Conditions
Speed calculation assumes repeating the cycle: "Finish printing one job" → "Media set" → "Finish printing one job" → "Media set" → ...

4-color

Practical Speed

236.8 sqft/hr

Mode	Resolution	Pass	Speed	Rigid 4x8 Size*
High Speed	600x600	8pass	236.8 sqft/hr	5.3 sheets/h
Standard	600x1200	10pass	172.2 sqft/hr	4.1 sheets/h
Quality	1200x1200	12pass	96.8 sqft/hr	2.5 sheets/h
High Quality	1200x1800	16pass	70 sqft/hr	1.9 sheets/h



*Rigid Media Speed Calculation Conditions
Speed calculation assumes repeating the cycle: "Finish printing one job" → "Media set" → "Finish printing one job" → "Media set" → ...

04

05

06

The Value of UV

1. High-value printing on a wide variety of media
2. Instant curing enables immediate finishing and delivery
3. Low power consumption for an eco-friendly operation

High-value printing on a wide variety of media for both roll and rigid

3-layer printing

Enables **consistent color expression day and night**, even for backlit signage.



Night: With backlight　　Daytime: No backlight



print image

3-layer (Color)

2 layers (White)

1 Layer (Color)

4-layer printing (Day & Night printing)

Creates **different looks when the light is ON vs. OFF**, changing the sign's impression.



No Backlight　　With backlight



print image

4th Layer (Color)

3 layers (white)

2 layers (Black)

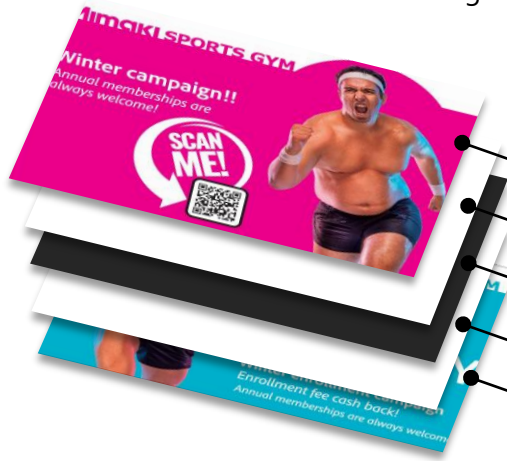
1 layer (color)

5-layer printing

Enables **different messages for indoor and outdoor viewing**, expanding promotional possibilities.



Sign viewed from inside the store　　Sign viewed from outside



print image

5 layers (color)

4 layers (White)

3 layers (Black)

2-layer (White)

Layer 1 (Color)

Value-added printing that appeals to both sight and touch

2.5D Printing







Example use: Wallpaper
Expressing a texture and appearance reminiscent of embroidery



Example: Painting
Realism that conveys even brush strokes and unique ink expressions

Adding designs with ON/OFF lighting

Watermark Printing (3-Layer Printing)



Without light

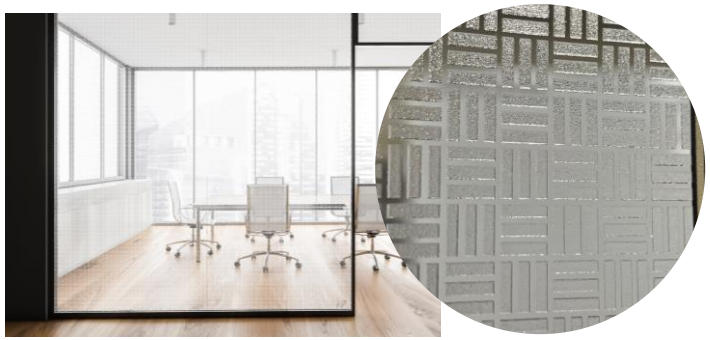
With light: Ghosts appear



Printing Image

Clear Ink for Enhanced Design Appeal

Clear Matte



Example: Window Film
Privacy Protection and Premium Aesthetics

Clear Gloss



Example: Wine Label
Labels that convey luxury and eye-catching appeal

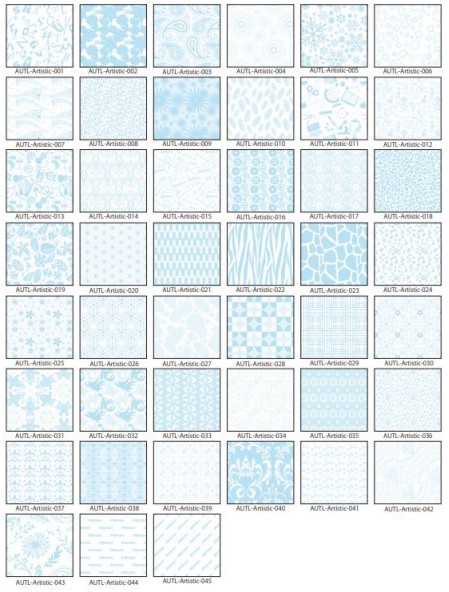
With Mimaki, *you can use* 129 *different textures*

Creating graphics for printers requires outsourcing to experienced graphic designers or purchasing expensive pre-made graphic designs.

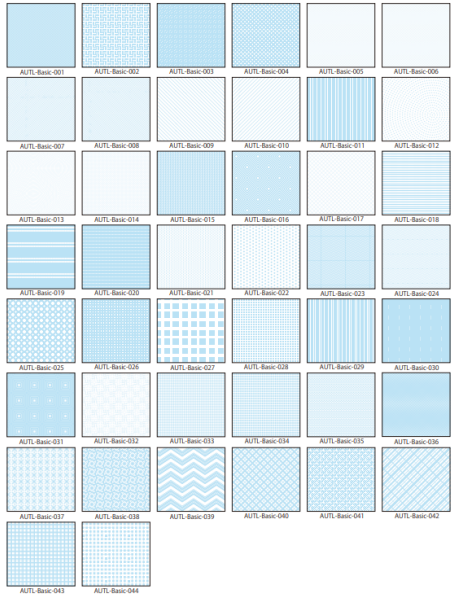
To solve this problem and enable customers to easily perform their work, we have prepared 129 types of ready-made original geometric designs.
In addition to color expression, white ink and clear ink can be used for embossed effects, special effects, and various other applications.

ARTISTA UV Texture Library 129 ※Available after installing RasterLink7.

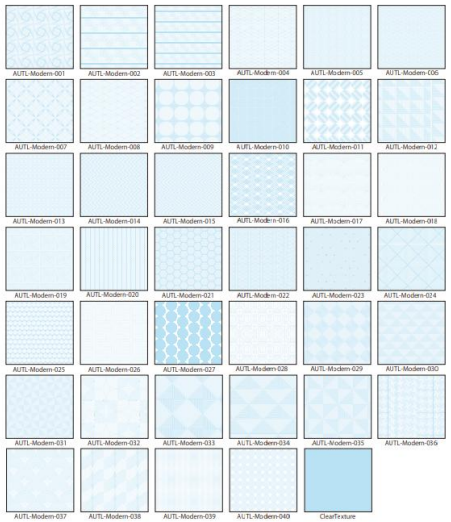
Artistic 45



Basic 44



Modern 40



[Important Notes] About Clear Printing Methos

Gloss clear printing can create a three-dimensional look and surface texture depending on the print patern.
However, it may not be suitable for expressing fine designs. Please refer to the UJ330H manual for details.。

[Recommended Print Conditions]

Please use the settings below when printing double-layer clear in high-speed mode.

Gloss Printing

Resolution	Pass
1200×1200 VD	16
1200×1800 VD	24

Matte Printing

Resolution	Pass
600×1200 VD	16/24/32
1200×1200 VD	16/24/32
1200×1800 VD	24/32

About Ink Density

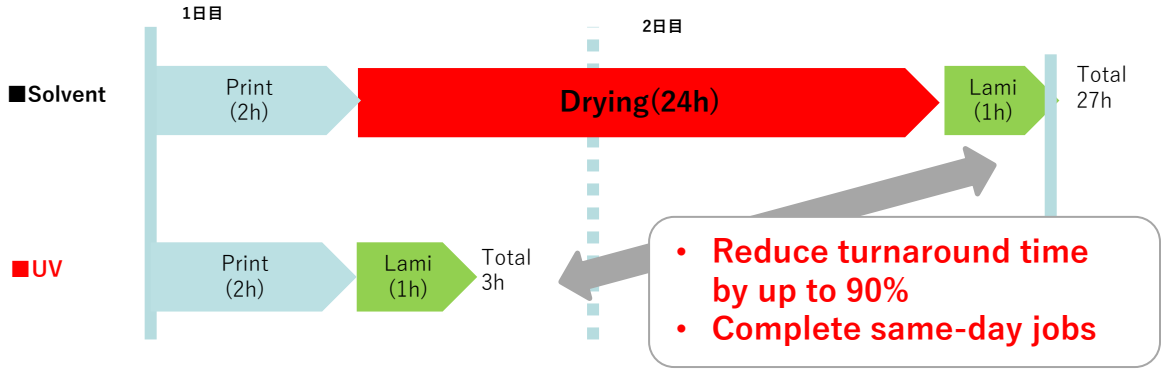
When printing clear ink, the appropriate ink density may vary depending on the media and its surface condition.
Especially with matte clear printing, if the ink amount is too high, issues such as graininess or gloss unevenness may occur.
In the case of cross clear printing, the finish may also vary depending on the media condition.
If the ink density is too high, a gritty appearance may occur after curing.　Gloss clear printing may also show similar issues.

About Peeling When Printing Gloss Clear

When printing gloss clear, depending on the media, the printed area may curl or the clear ink may peel if it is folded or bent repeatedly.　If the ink peels, the printed layer may remain on the media surface.(In severe cases, cracks or peeling may occur after repeated bending.)Please test with the media you intend to use in advance.

Prints are ready for post-processing and delivery immediately after printing

Because UV ink is cured instantly by UV light immediately after printing, there is no need for drying time, which helps improve work efficiency.



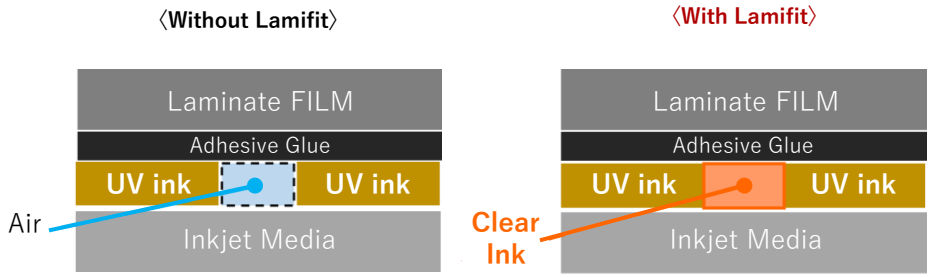


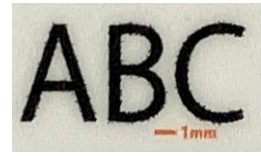
*Caused by trapped air whitening of graphics

Equipped with “Lamifit” technology to reduce silvering* even after lamination

Q. What is Lamifit ?

Fills all areas without data with clear ink to reduce surface irregularities, making it less prone to air entrapment during lamination and reduce the likelihood of air bubbles forming during lamination.



Standard Printing + Standard Laminate Film (PLS-G)	 *Air Trapping
Standard Printing + Anti-silvering laminate film (Mimaki Vision Laminate 310)	
Printing using "LamiFit" + Standard laminate film	

UV uses less power—more eco-friendly

UV printers cure ink instantly by exposing it to ultraviolet (UV) light immediately after printing.
Because no heaters are required, UV printing can significantly reduce energy consumption compared with typical eco-solvent or latex printers.

【Maximum power consumption】

Up to 70% lower than same-class latex printers

Up to 45% lower than same-class eco-solvent printers

	UJ330H	Latex Printers	Eco-solvent Printers
Maximum Power Consumption	1.6kW	5kW	2.9klW
Annual CO_2 Emissions	315.6 kg-CO2	986.4 kg –CO2	572.1 kg –CO2

1. Based on Mimaki research.
2. Calculated using the maximum power consumption, assuming operation for 2 hours per day and 20 days per month.
CO2 emissions = electricity consumption (kWh) × CO2 emission factor (kg-CO2/kWh).The CO2 emission factor used in this calculation is 0.411 (Chubu Electric Power).

04

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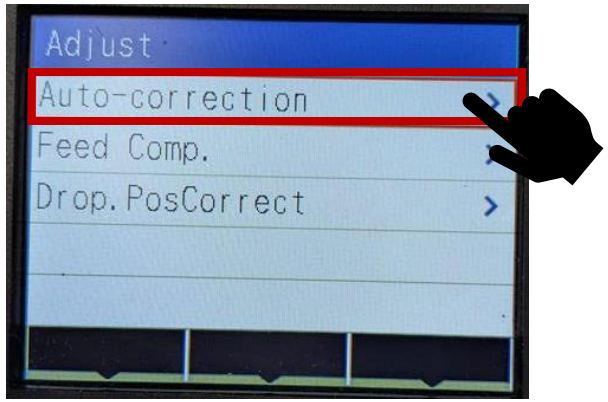
Peace-of-mind features for smooth work

1. Automatic adjustments for optimal print quality
   —anyone can achieve the best results
2. Peace-of-mind features for unexpected situations
3. Software that supports your daily workflow
4. High Ink Performance (ELS-170/ELS-175)

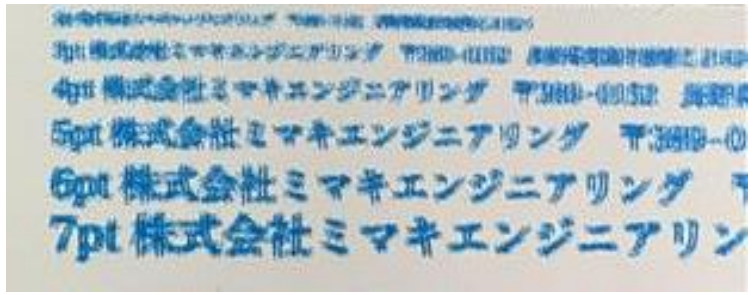
Automatic Adjustment Function DAS2

Just press a button for adjustment—anyone can achieve optimal print quality

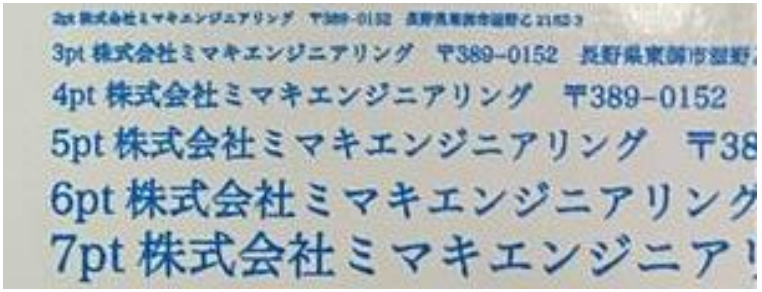
Print a dedicated pattern on the media, and the built-in high-resolution 3-light sensor in the carriage automatically adjusts:
① Dot position (misalignment between dots in bidirectional printing)② Feed correction (media feed amount)



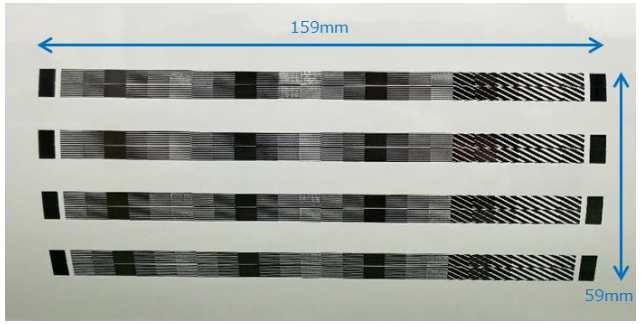
Before

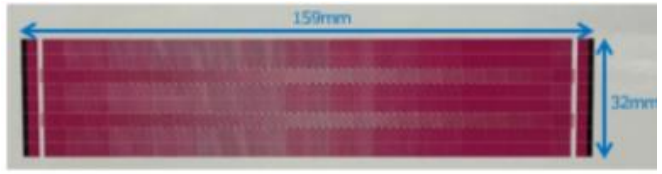


After



Calibration chart





Reduces adjustment unevenness and delivers stable quality for any operator

Adjustment is possible on any media, including transparent and colored media*1

・Print white first, then print the adjustment chart

Faster adjustment improves work efficiency

Adjustment Time

(Full-resolution print adjustment)

DAS2 (UJ330H)

Approx. 9min

Approx.44% reduction

DAS(UCJV330)

Approx. 16min

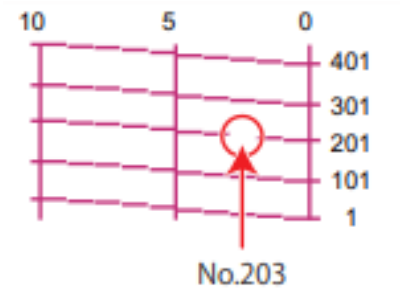
In addition, because adjustment is automatic, operators can work on other tasks during the process.

*1. If the media is not white, please refer to the note below. This function is mainly intended for white media. Since the machine performs automatic adjustment based on white areas, for colored or transparent media, print white first and then create the correction pattern.
*2. Depending on the surface condition of the media, the automatic dot position correction function (DAS2) may not work properly. In such cases, please use manual adjustment, as insufficient contrast may prevent accurate detection.

Nozzle Recovery

No downtime due to nozzle issues

When nozzle misfires occur that cannot be resolved by cleaning, printing continues using an alternate nozzle instead of the faulty one. Printing speed remains unchanged even when using nozzle recovery, so you can proceed with your work as usual.



Up to **20 parts** per nozzle
Up to **160 nozzles** can be registered per head

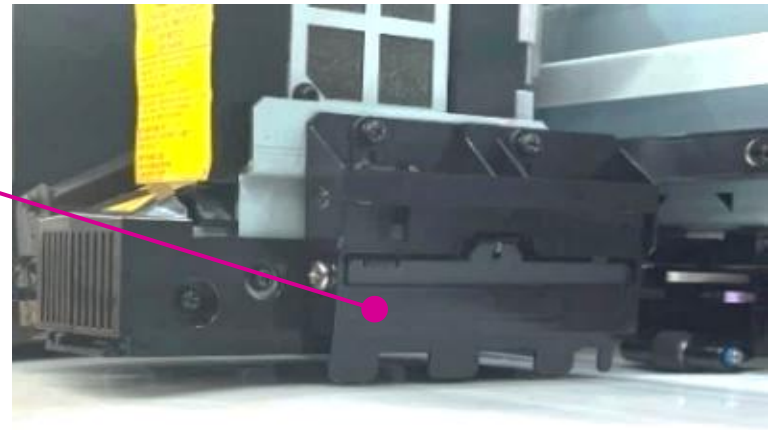
Vender	Mimaki	EPSON	Roland
Nozzle Recovery	✓	✓	✓
Print Speed	**Unchanged**	–	**Speed halved**

Jam Sensor

Reduce the risk of head rubbing

To prevent the print head surface from directly hitting media, etc., Sensors attached to the head reduce the risk of head damage.

Before the head collides, the sensor reacts and stops printing.



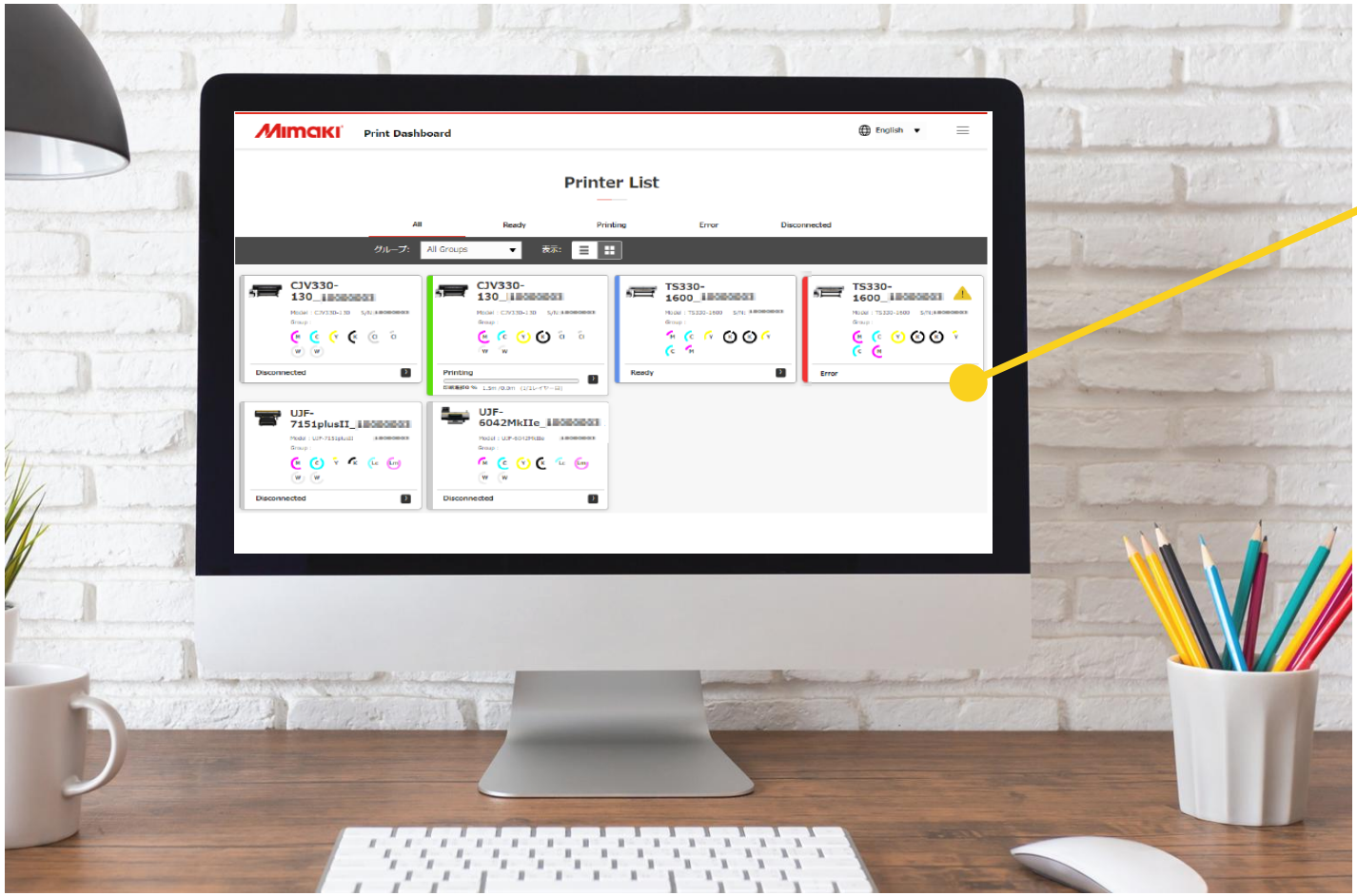
Vender	Mimaki	EPSON	Roland
Jam Sensor	✓	–	–

Cloud Services Connecting Mimaki and Our Customers

PICT: Supporting Operational Efficiency and Peace of Mind

Mimaki Cloud Technology PICT

Keep track of every detail about your printers anytime, anywhere



It automatically monitors the operational status of all your machines

- **Operational status of all owned machines**
- **Details of machine issues**
- **Ink usage**

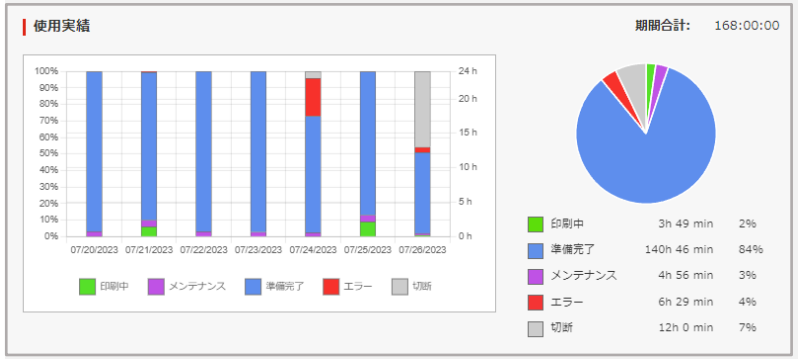
PICT automatically aggregates this data

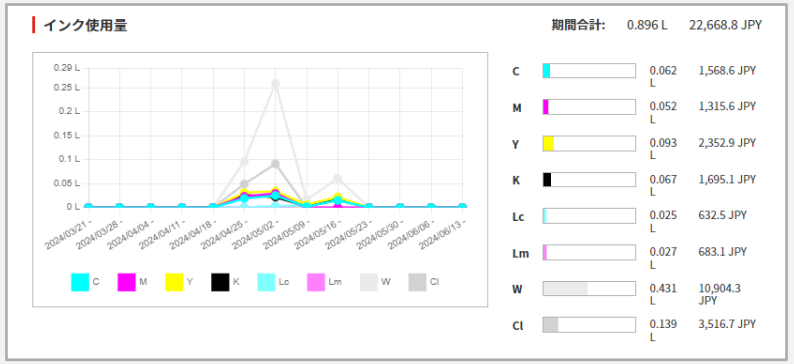
Features error and print completion notifications,
allowing you to check the status immediately even from a remote location.

Available for download from our website. Accessible via web browsers on PCs and mobile devices.

05. Reliable features that support smooth work

You can see all operating results for today, this week, and this month.





We report on operational performance and ink usage
Supporting planned operations and cost management.

Prompt and accurate support in case of machine trouble



Share error information (log data)





By predicting the cause of problems based on machine error information, we can provide faster and more precise support than ever before.

Printing status can be checked on a smartphone even if you are not there during printing.





Get email notifications when printing is complete or an error occurs!
Get notified by email!

High Performance Ink | ELS-170 ・ ELS-175

Safer Ink for People's Health and the Working Environment

Providing a Higher Level of Safety

☑ SVHC-Free

Contains no SVHCs (Substances of Very High Concern), which are considered to pose extremely high concerns for human health and the environment.

☑ CMR-Free

Contains none of the following substances that may affect health and the environment:

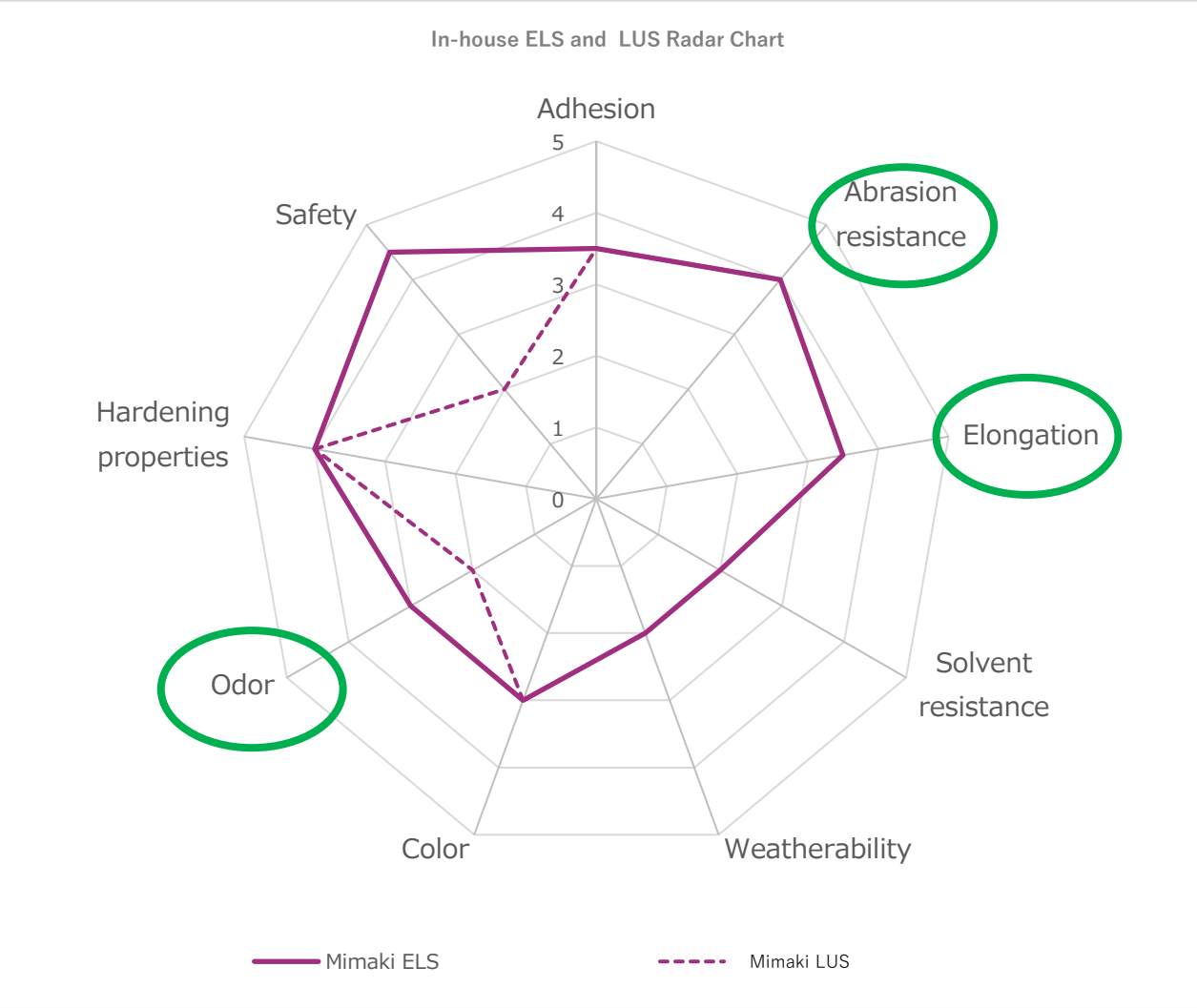
- ☐ Carcinogenic
- ☐ Mutagenic
- ☐ Reprotoxic

	MIMAKI		Roland		EPSON		MUTOH		Canon
	LUS	ELS	EUV5	US	SC24	SC29	US61	UH21	
SVHC Free	X TPO*2	○	○	X TPO*2	X TPO*2	X TPO*2	○	X 907*2 TPO*2	△ Color ○ W,CL X
CMR Free	X	○	X Reprotoxic Category2	X	X Reprotoxic Category2	X Reprotoxic Category2	X Reprotoxic Category2	X Reprotoxic Category1B	X Reprotoxic Category1B or 2

Under EU REACH regulations, inks and printed products containing substances classified as SVHCs (Substances of Very High Concern) may become increasingly restricted for sale and use in the coming years.
By adopting ELS ink, you can use safer ink designed to comply with regulations, while also helping protect the health of employees—an important asset for any business owner.

※1 Indicates that as of April 30, 2025, it is not classified in the CMR category as an ink under the EU-CLP Regulation.
※2 Not compatible with SVHC-free due to the presence of substances that fall under initiator material 907/TPO.

ELS-170 ・ ELS-175



Reduces Odor by Approx. 30%

A More User-Friendly UV Ink*

* Based on internal evaluation results

Evaluation Method	Ink Type	Average Score (N=20)
1）Liquid Odor Assessment	**ELH Ink**	**2.65**
20 g of ink was poured into a 200 mL bottle, and the odor near the bottle opening was evaluated.A score of 0 indicates very strong odor, and 5 indicates no odor.The values shown are the average scores from 20 evaluators.	LH-100	1.85
	ELS Ink	**2.20**
	LUS-170	1.60
2）Odor Assessment During Printing	**ELH Ink**	**2.80**
Using a UJF6042MkIIe enclosed with vinyl sheets, ten 600 × 400 mm solid-color prints were output.The odor during printing was then evaluated.A score of 0 indicates very strong odor, and 5 indicates no odor.The values shown are the average scores from 20 evaluators.	LH-100	1.50
	ELS Ink	**2.40**
	LUS-170	1.20

High Stretchability and Abrasion Resistance Reliable Printing and Application on Roll Media

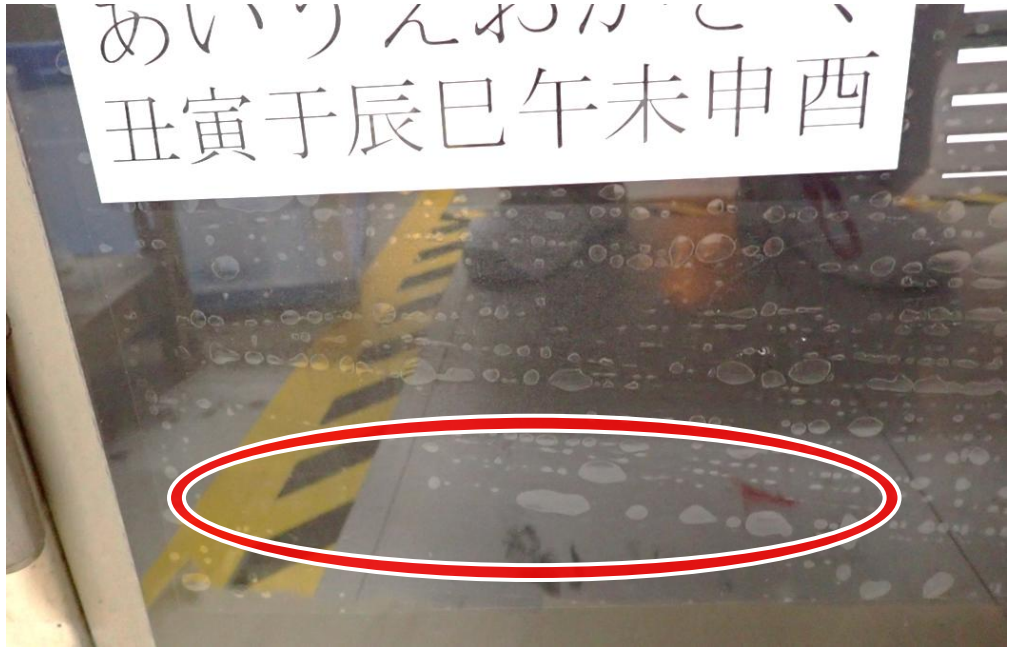
Based on in-house evaluation results. Performance is not guaranteed.

ELS-170 ・ ELS-175

Reduces white ink peeling and water cloudiness during installation on wet surfaces

**The white ink in the previous LUS-170 had an issue where it could turn white during wet application for window signage.
This has been improved with ELS-170, making whitening less likely to occur.**

ELS-170 Ink



LUS-170 Ink



<Printing Conditions for ELS＆LUS-170>
Machine : UCJV330
Inkset : CMYKClClWW
Print mode 600x600dpi/10pass
Media : Lintec_E2200-ZC
Waveform : LUS-170
Head temperature. : LUS-170_95F
ELS_122F

Less likely to whiten

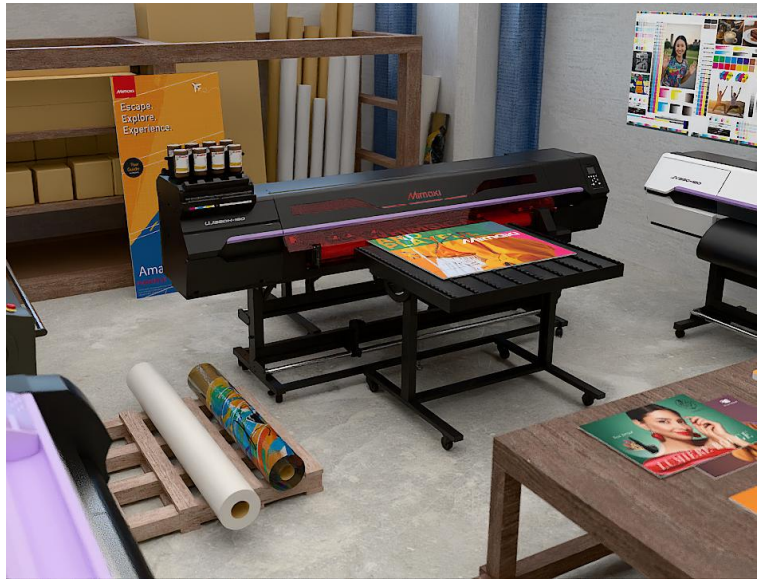
Whitening occurs

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UJ330H – A solution even for places you gave up on



Lower the installation barrier and make setup easier

Challenge | You want to start direct printing on boards,but flatbed printers are too large to bring in.

UJ330H can be installed even through narrow entrances

No need for extra construction or to give up installation



Minimum required entrance size＊



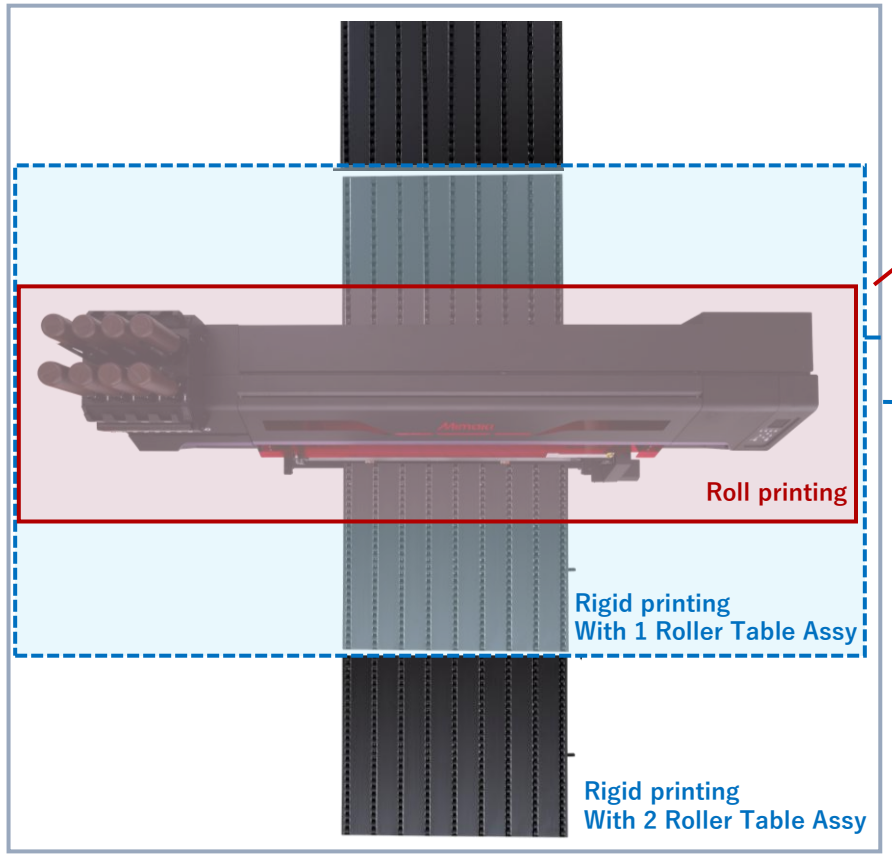
*The machine can also be disassembled for installation if needed

Compact design for easy installation in limited spaces

No need for two machines. With UJ330H, one machine handles both roll and rigid printing.
Use the tables only when needed, and fold them away when not in use.



Footprint



For Roll printing | **126.9" x 30.9"**

For Rigid printing

With 1 set Roller Table Assy | 126.9" x 104.8

With 2 sets Roller Table Assy | 126.9" x 185.5"



Roller Table Assy

When not in use, it can be folded up for storage

Features and Options Comparison





Item	UJ330H	UCJV330
Size Options	160	160/130
Compatible Ink	ELS-170/ELS-175/LUS-210	LUS-170/LUS-175/LUS-200/LUS-210
PrintHead	2Head Stagger	2-Head Stagger
Print Gap	1.5mm to 3.0mm (in 0.1mm increments) Automatically adjusted by belt elevation	Nozzle-Platen Gap: Manual 3-Step 2.0mm, 2.5mm, 3.0mm
Media Heater	Not equipped	Standard: PRE 60°C Optional PRINT/POST up to 3 stages
Media Cutter	Not equipped	Equipped
Media changer	Not equipped	Optional installation available
XY Slitter	Not equipped	Optional
Deodorization unit	Not installed	Optional
Electrostatic sheet	Not equipped	Available as an option
Ionizer	Can be installed (optional) *Requires attachment	Can be installed (optional)
External Dimensions	126.9W x 30.9D x 58.4H (no Tables)	160: W2,890 × D800 × H1,485 130: W2,640 × D800 × H1,480
NCU Nozzle Check Unit	Mounting	Mounted
NRS Nozzle Recovery System	Mounted	Tower Mounted
Auto-Adjust Function	DAS2 Mounted	DAS Mounted
Roll Weight	99lbs	99lbs

Specifications

		UJ330H-160
Print Head		On-Demand Piezo Head 2 Stagger
Print Resolution		Y: 600, 1,200 dpi X: 600,900, 1,200, 1,800 dpi
Head Gap		Nozzle-to-media distance Auto 1.5mm to 3.0mm (in 0.1mm increments) Automatically adjusted by belt elevation
Media Heater		Not equipped
Media (ROLL)	Supported Media	Minimum 8.26" Maximum 63.78"
	Maximum Drawing Width	9.84"
	Roll Outer Diameter	φ9.84" or less
	Roll Weight	99lbs or less
	Paper tube inner diameter	2 inches, 3 inches
	Winding Torque Limiter	Standard: Low (Adjustable from Low to High)
Media (Rigid)	Media Length Capacity	11" to 98.4
	Media Thickness	2" or less
	Media Weight	55lbs or less ※ 7 kg/m² or less
	Media Length Range	11" to 120"
Interface		(Recommended) Ethernet 1000BASE-T USB 2.0 Hi-Speed
Auto-adjust		DAS2 Mounted
Power Specifications		AC (100–120V / 200–240V ±10%) ×2, 50/60Hz ±1Hz
Power Consumption		Maximum 800W x 2, Average during operation Intel1 400W or less Intel2 500000W or less, Sleep mode 4.5W or less
Operating Environment	Operating Temperature	68-86°F
	Humidity	35–65% RH (no condensation)
	Guaranteed Accuracy Temperature	68–77°F
	Dust	Equivalent to a typical office environment
External Dimensions mm (WxDxH)		W126.9 × D30.9 × H55.9
Unit Weight		850.9lbs

Size, Packaging Type, Installation Environment

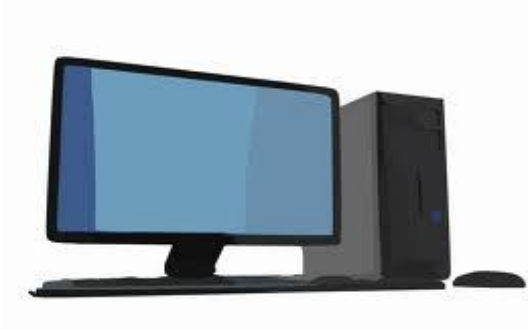
	UJ330H-160
External Dimensions (WxDxH)	Machine body: W126.9" × D30.9" × H55.9" Machine body + transport platform 1 set: W 126.9" × D 104.8" × H 55.9" Machine body + transport stand 2 sets: W 126.9" × D185.5" × H55.9"
Installation Space (WxDxH)	Machine Body: W 166.2" × D 109.6" Machine body + transport stand 1 set: W 166.3" x D 144.2 Machine body + transport stand 2 sets: W 166.3" x D 224.8"
Weight (kg)	850.9lbs
Packaging Size (WxDxH)	W 140.9"x D 40.1 x H 42.9"
Packing Weight	1875.9lbs

Precautions

- Do not install in locations with dust or particulate matter. If dust enters the unit, it may cause malfunctions or poor discharge (nozzle clogging, flight deviation, etc.).
- Do not install in locations exposed to airflow from air conditioners, etc. Dust or particulate matter may enter the unit's interior.
- Do not install in unstable locations or areas subject to vibration. This may cause malfunctions or discharge issues (such as nozzle clogging or flight path deviation).
- Do not install in locations exposed to direct sunlight.
- Do not install in locations subject to extreme temperature fluctuations. This may cause discharge problems (nozzle clogging, flight deviation, etc.).
- Do not install in locations where large, noisy machinery is present.

System Configuration

〈PC〉



〈Connect〉

Recommended Ethernet Cable

*While USB 2.0 (recommended 5m) is also supported, an Ethernet cable is recommended for smooth printing.

〈Design Software〉

※Supports PS, EPS, TIFF, BMP, JPEG, PDF, etc.

<Printer>



Recommended System

OS	Windows® 11 Pro 64-bit
CPU	Intel® Core™ i5-4670K (3.4GHz)
Chipset	Intel® Z87 Express
Memory	8GB
Hard Disk	1TB or more free space (NTFS format)
Interface	[Recommended] Ethernet port, USB2.0

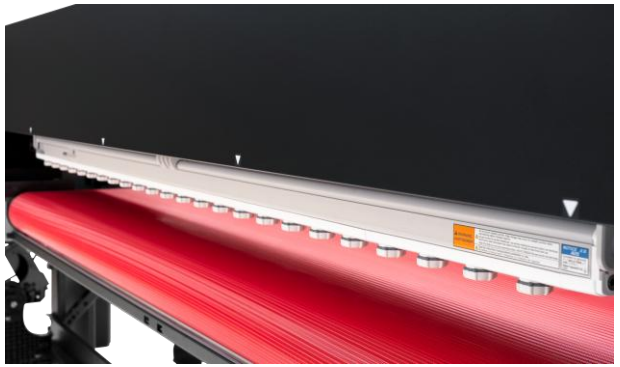
Software supporting your workflow from design creation to output (included as standard)

＜Genuine RIP Software＞

Supporting print quality and operability

Raster Link 7

Optional Accsessory

Roller Table Assy	Ionizer ※Please prepare both items.	
OPT-01020	Ionizer Unit 160 OPT-J0545	UJ330H Ionizer Connection Unit OPT-01024
 ※2 units per set		
Media Length **- 1 Roller Table Assy ：up to 51.1"** **- 2 Roller Table Assy ： up to 98.4"** - For details, please refer to page 45.	BOM - UJ330H-160 Ionizer Kit	

Roller Table Assy

Stable media transport supported by a Mimaki-engineered roller table* Maximum load : 176lbs ／unit



Foldable for storage when not in use

Supported Media Length

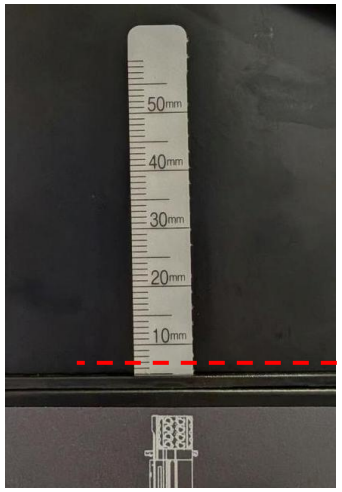
Up to 51.2" : 1 roller table set (1 unit each at the front and rear)

Up to 98.4" : 2 roller table sets (2 units each at the front and rear)



Manual crank height adjustment

The height can be adjusted manually with a crank. By setting the indicator position according to the media thickness, the table can be aligned to the same height as the belt.



Example: when setting 0.5 mm thick media

Supply

No	Supple No.	Supply name	Remarks
1	A107214/SPC-0919	Cloth Wiper G Kit	
2	A107088/SPA-0333	Cap Absorber set	
3	A107089/SPA-0334	Cap Absorber (Single Item)	
4	A101437/ -	BEMCOT M-3	
5	A101438/ -	Cotton swab 6inch wooden shaft “S”	
6	A102216/SPC-0527	Cleaning Stick for Head	
7	A104634/SPA-0207	KIMWIPE S-200	
8	A104849/SPA-0246	SQUARE WATE INK TANK 2L	
9	A105784/SPC-0825	3 INCHES PAPER TUBE 130	
10	A105785/SPC-0826	3 INCHES PAPER TUBE 160	
11	A107191/SPA-0348	LED glass S assy	
12	A106693/SPA-0316	UV CAP ABSORBER (Single)	
13	A106745/SPA-0319	Cap Bv2 ASSY	
14	A105729/SPC-0819	MIST FILTER SET	
15	A107796/SP-01030	Cap G Assy2-2 (SP-01030)	

Disclaimer

- Regardless of whether the UJ330H-160 (hereinafter referred to as "this machine") malfunctions, our company shall not be liable for any direct or indirect damages arising from the use of this machine.
- The Company shall not be liable for any direct or indirect damages arising from products created using this machine.
- Using devices other than those recommended by our company may cause fire or damage to the machine. In such cases, the warranty will not apply. Furthermore, we shall not be liable for any direct or indirect damages arising therefrom.
- Use only genuine company ink and maintenance fluid. Using other products may cause print quality deterioration or machine malfunction. In such cases, the warranty will be void. Furthermore, the company shall not be liable for any direct or indirect damages arising therefrom.
- Do not refill ink cartridges. This will void the warranty. Furthermore, we shall not be liable for any direct or indirect damages resulting from such actions.