

Wide Format Inkjet Printer for Sign & Graphics

Ver 1.00

Eco-Solvent Roll to Roll printer

330 Series Product Guide

JV330-160
JV330-130
CJV330-160
CJV330-130



MIMAKI ENGINEERING CO.,LTD.

SG Marketing Group

February 10, 2022

This content is subject to change without notice due to technical improvements, etc.

Mimaki

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Concept

Since the launch of the *world's first* eco-solvent inkjet printer in 2002, we at Mimaki Engineering, together with the opinions and guidance of the sign industry, have been introducing eco-solvent printers with a focus on "newness and difference" in order to boost the sign industry.

We have been manufacturing, developing, and marketing printers with the number "3" in their product names, such as the JV33 in 2007 and the JV300 in 2014, so that they are loved by everyone as Mimaki's standard machines.

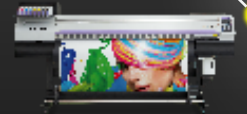
The 330Series has been designed and developed from the ground up in pursuit of added value that would make sign shops profitable and is now available to the sign industry as a mid- to high-end machine bearing the "3" that is loved by everyone.



2019. JV300Plus



2014. JV300



2007. JV33



2002. JV3



Introduction

As befits a flagship device

High Quality



High Productivity

Fine-grained photographic expression with a minimum of 3pl

New input profile "Deep Color Natural" for natural skin expression and high productivity in standard mode (8C: 13.2m²/h, 4C: 21.0m²/h)

The vivid, uneven solid color representation and overwhelming image quality will help stabilize your business.



Introduction

Sharpened technology made possible by Mimaki's pursuit of innovation

The New Value to assist in work saving **XY Slitter**

Isn't it possible to make the cutting work after printing easier?

The 330Series is equipped with a slitter as a standard feature that enables inline sheetfed cutting in the X and Y axes.

Media changer

It's hard work to replace heavy media every time you need to change it, so why not make it more efficient?

The 330Series comes standard with a media changer that can hold up to three media to assist in efficient and space-saving media replacement.



Give your creativity a **Glow up**

想像力に輝きを

High quality × High productivity
The new “3” series,
a flagship model with high value-added functions that assist in saving work



Give your creativity a **Glow up**

想像力に輝きを

Print&Cut



XY slitter and media changer as standard equipment

Variable Dot	3way Heater	UISS	MCTv2
NCU	NRS	DAS	MRA
MWDT	Media Changer	XY Slitter	Print&Cut
ID-cut Function	Half-cut Function	Over-cut Function	Corner-cut Function
Crop Mark Function	Mark-sensor Function		

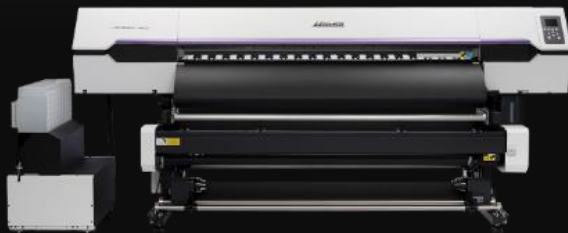
64inch

CJV330-160

54inch

CJV330-130

Print



XY slitter and media changer as standard equipment

Variable Dot	3way Heater	UISS	MCTv2
NCU	NRS	DAS	MRA
MWDT	Media Changer	XY Slitter	ID-cut Function
<small>*Print only</small>			

64inch

JV330-160

54inch

JV330-130

Features

1

New drop technology that delivers vivid, uneven image quality for stable business support

Mimaki Weaving Dot Technology



2

Improving post-processing efficiency to save work and labor

XY Slitter

In-line X-axis and Y-axis sheet-fed cutting is possible, reducing post-processing work.

3

Assist in saving manpower and work with advances in usability

Media changer

Up to 3 rolls of frequently used media can be set on the ejector side, saving space and work.

V-shaped cut function

Added V-shape cutting pattern in addition to straight cutting pattern. Assisted in taping to paper tubes.

New maintenance mechanism

Cloth wipers, In-machine lighting, new ink supply unit Improved workability for daily maintenance

Panel App

The original application "Mimaki Remote Access" enables remote panel operation and status check.

4

Easier to use with the evolution of Mimaki Core Technology

New input profile

Vivid solid colors, easy-to-handle color reproduction ideal for signage in pursuit of natural, well-filled skin tones

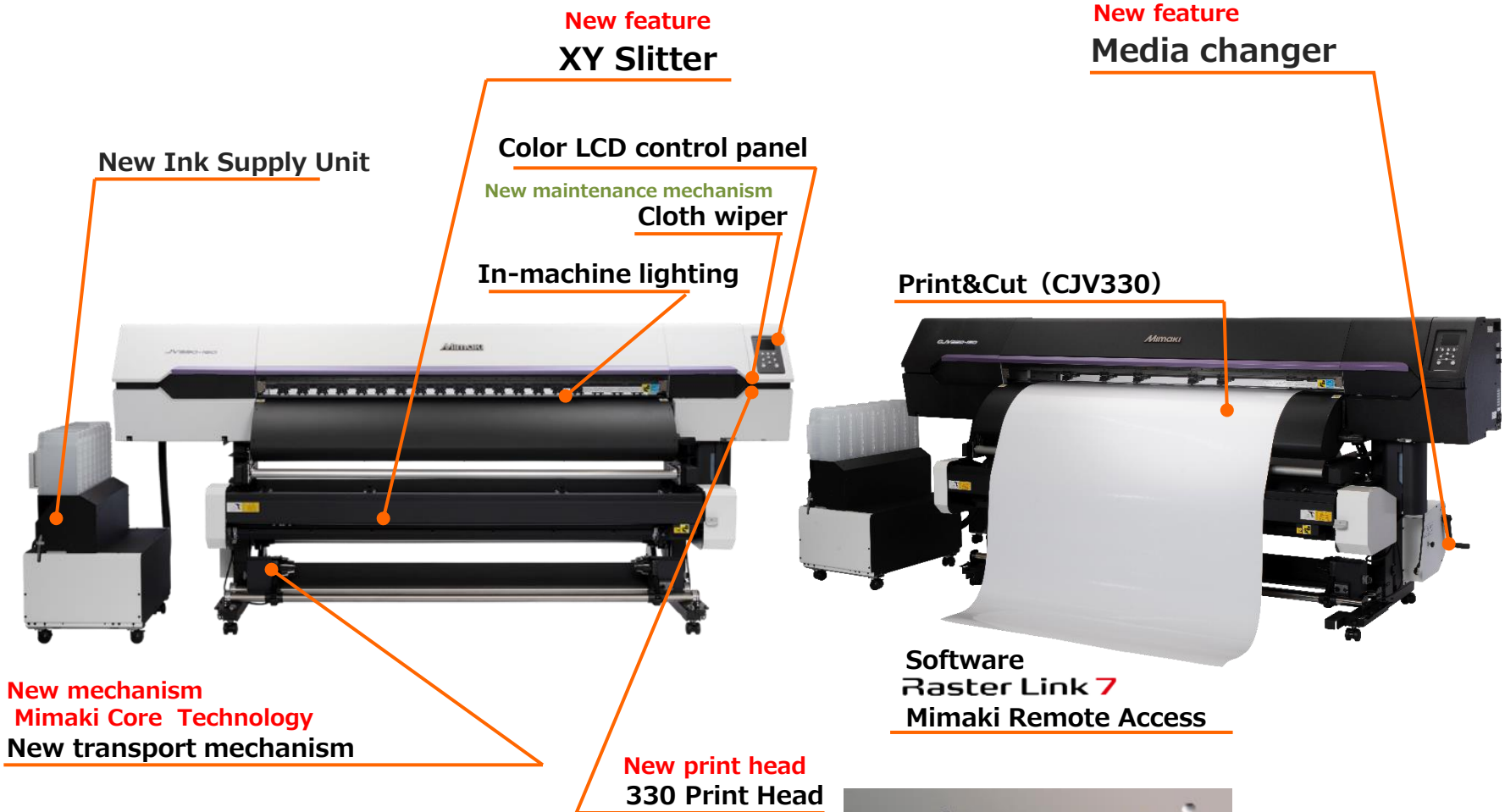
New transport mechanism

A new drive motor is installed on both sides of the rewind mechanism, which used to be driven only on the operation side. This improves the take-up power and the accuracy of meandering control.

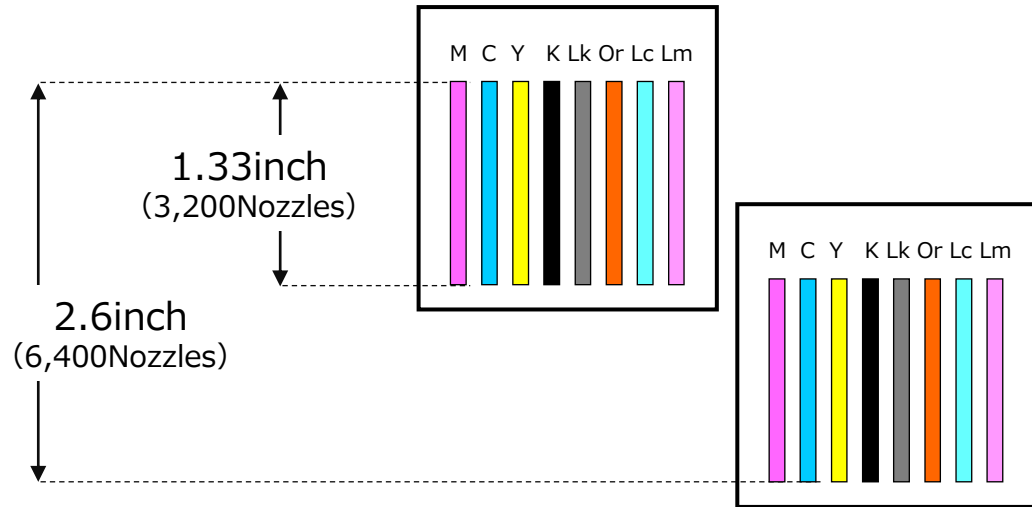
New ink circulation mechanism

By circulating not only the ink path but also the ink in the damper, waste ink is reduced and fresh ink is always maintained.

Overview - Function Introduction -



Overview - Inkset -



Supported inks	Inkset	Head 1	Head 2	Ink capacity
BS4	4C	M C Y K K Y C M	M C Y K K Y C M	2,000ml Package
SS21	4C	M C Y K K Y C M	M C Y K K Y C M	2,000ml Package *SS21 White ink is 500ml
	8C	M C Y K Lk Or Lc Lm	M C Y K Lk Or Lc Lm	
	6C +W	M C Y K W W Lc Lm	M C Y K W W Lc Lm	

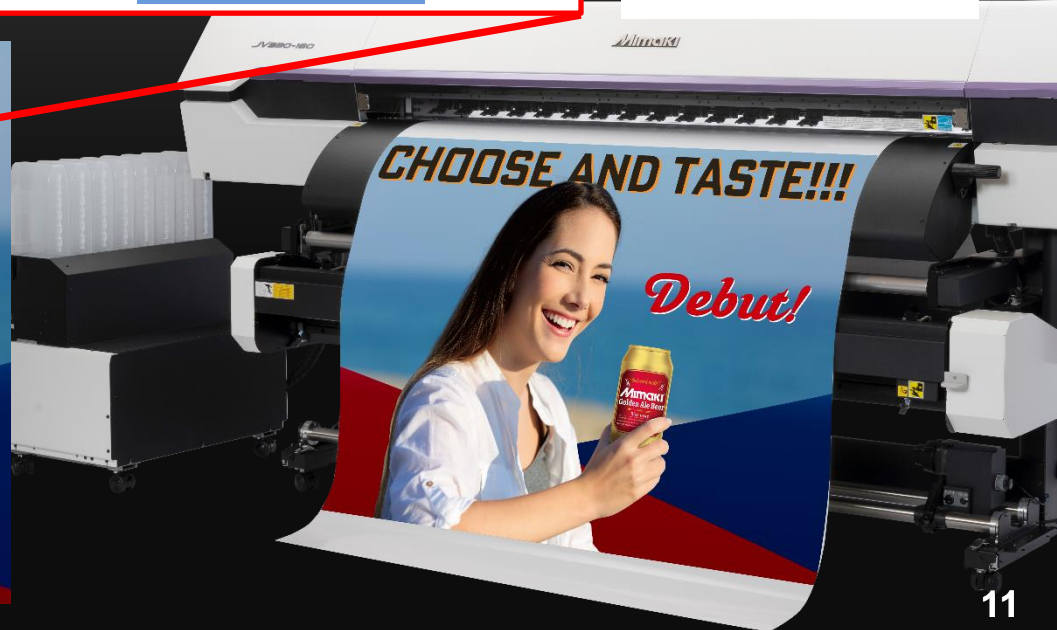
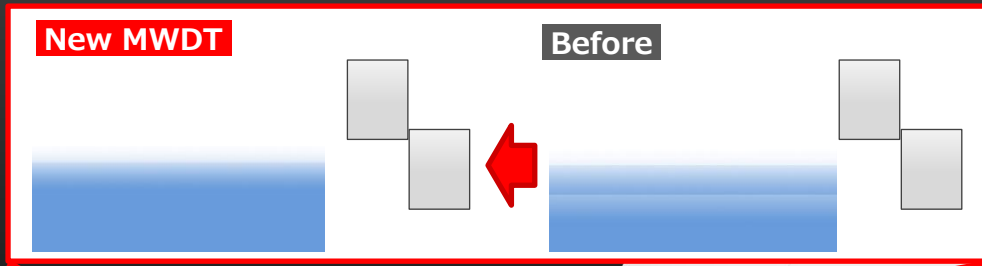
1-1. New drop technology for high image quality suitable for flagship models

Patent pending

Mimaki Weaving Dot Technology is a new drop technology that reduces unevenness in colors and threads to improve photographic quality and solid color quality.

High Quality
X
High Productivity

New drop technology for high image quality with no streaks or irregularities
New ejection control technology
Realizes higher solid quality and smoother image quality than ever before.



* The results may vary depending on the media, ambient temperature, etc. Therefore, we recommend that you test the software thoroughly beforehand.

1-2. What is the new drop technology MWDT?

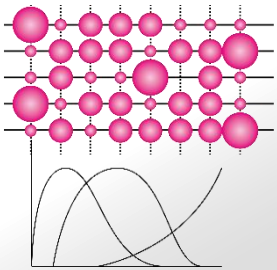
Patent pending

Mimaki's Imaging technology, which produces high quality output, is based on five technologies. MWDT realizes smooth tone expression with less graininess and less banding. MWDT controls the ejection of each pass and round trip to ensure that the image quality is not affected by slight differences in head individuality or staggered adjustments to achieve more accurate imprinting, thereby suppressing unintended swirls and irregularities and enabling vivid and well-filled solid expressions.

Mimaki Imaging Technology

Variable Dot Control

Ensures smooth gradation by using dots of different sizes: Small, Middle, and Large.



Half Tone Technology

Optimizes the data divided into S, M, and L dots for printer output.



MAPS4

Reduces printing banding by printing the passes boundaries in a gradient style.



MWDT

New drop technology that optimizes the order and combination of head drops to be dispensed for each pass and rounds trip operation to minimize the effects of head individual differences and stagger adjustments.



Waveform control

Controls the voltage to make a perfect circle drop for each print resolution.



Vector
↳ Raster
Technology

Variable dot
control

Half Tone
Technology

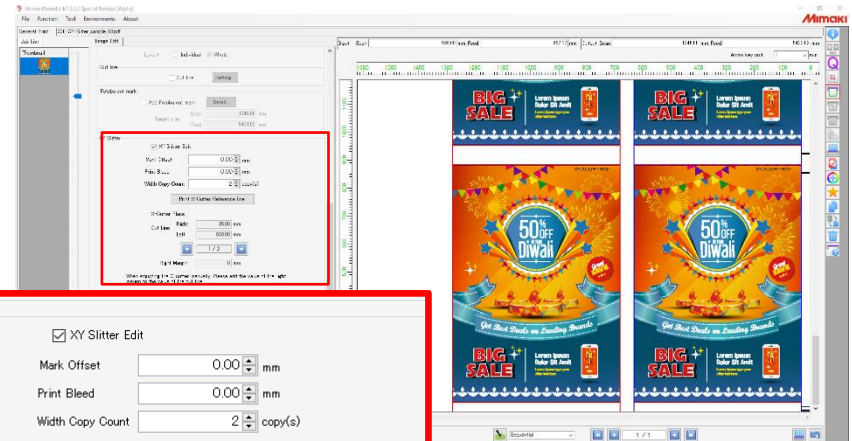
MAPS4

New
New Drop
Technology

Waveform
control

2-1. XY Slitter

Inline X-axis and Y-axis sheet-fed cutting is possible.
Can be used even after lamination as it reads the special markings and cuts them.



XY Slitter

XY Slitter Edit

Mark Offset mm

Print Bleed mm

Width Copy Count copy(s)

X-Cutter Place

Cut Line Right mm

Left mm

Right Margin mm

When adjusting the X-cutter manually, Please add the value of the right margin to the value of the cut line.

XY slitter can be used by adding a special cropping mark with RasterLink7.

Inline sheet-fed cutting is possible without the need to purchase an expensive cutting machine separately.
Simple cutting of rolled up printed materials → Saves time for cutting for delivery.
With an accuracy of ±2mm when cutting general vinyl chloride, the system assists customers in saving manpower and work.

Non XY Slitter



XY Slitter

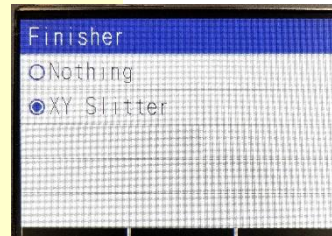


Saves you the trouble of cutting.

2-2. XY Slitter

XY slitter operation flow:

1. Select Function Setting > Finisher > XY Slitter
2. Attach the media to the winder through the T-bar.
3. Print the X-cutter guideline on the setting screen of RasterLink7.
4. Follow the instructions on the panel to set the unit.
5. Set up the media shooter.
6. Print data flow with RasterLink7



Media shooter

Uses XY slitter packing boxes as shooters

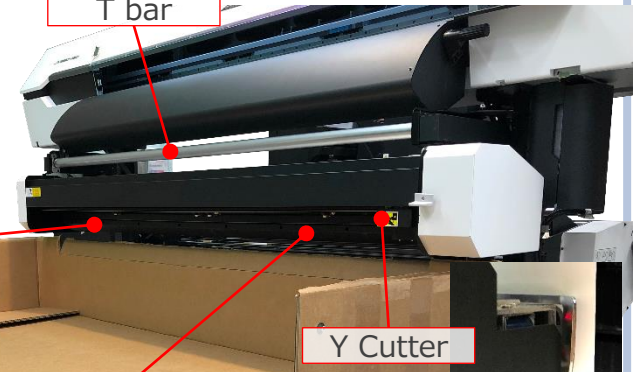


Media guide



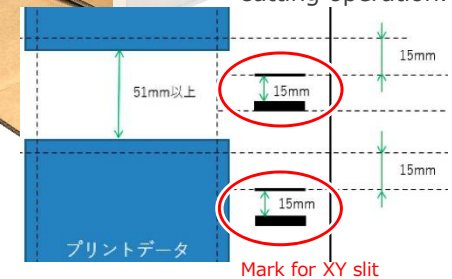
A magnetic guide that assists in keeping the printed surface facing upward. It is a magnet type guide that assists

T bar



Y Cutter

The sensor detects the trim mark and performs the cutting operation.



Option



OPT-J0532 X-slitter Assy

Two included as standard, required for additional X-cutter.

Supply



SPB-0093 Carbide blade 45°(25L)

Two blades are included as standard.
Blade for X-slitter

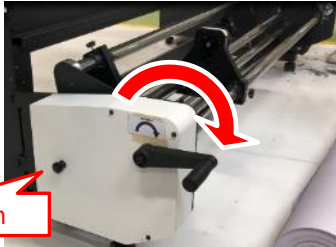
Recommended replacement: every 4,000M uses



3. Evolution of Usability 1 : Media changer

Up to three media can be installed, and the media for the most recent job can be installed in advance for efficiency.

More space-saving. Media can be changed with a simple turn of the handle.



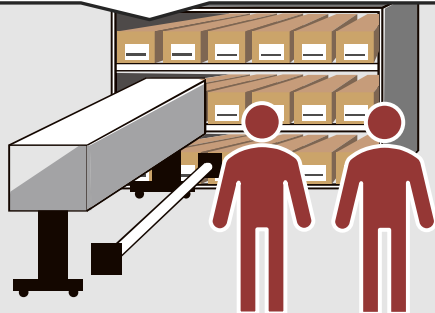
Fixed pin

The media changer is a device that can set 3 rolls of media in advance. The media is loaded, the handle is turned, and when the fixing pin comes to the setting position, it enters the hole and is fixed. To switch to another media, pull the fixing pin to release the fixation, turn the handle, and when the second roll reaches the set position, the fixing pin will enter the hole and fix it again.

- The maximum load when 3 units are mounted is 90kg.
- The maximum weight of one unit is 45kg.
- The maximum media width that can be set is 1,620mm.

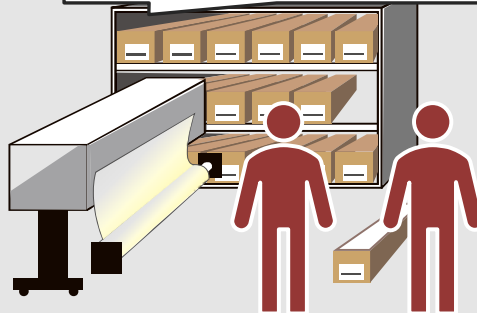
e.g.) Work done so far

It takes two people to set up a media set.



After one printing is completed...

It takes two people to set up a media set.



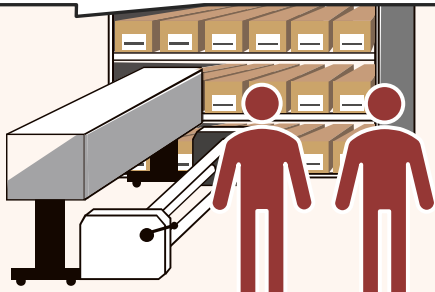
And after one more run is printed...

It takes two people to set up a media set.



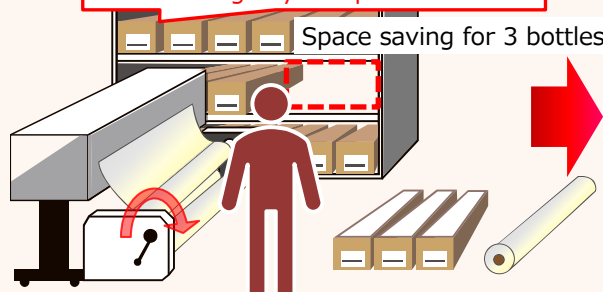
e.g.) Working with a media changer

It takes two people to set up a media set.



After one printing is completed...

Media change by one person -> Set



After one printing is completed...

Media change by one person -> Set



The handle to turn the media can be turned without much effort.

3. Evolution of Usability 2 : V-shaped cut function

Media Cut	
Horizontal cut	>
Horizontal cut+V-shaped cut	>
V-shaped cut	>

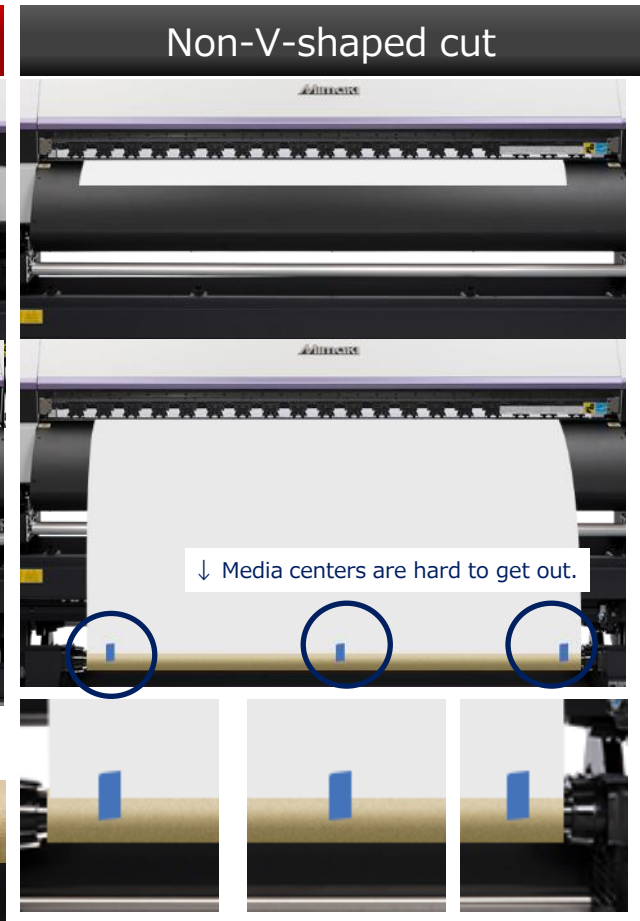
This little bit makes me happy.

The V-shaped cut function cuts the media into a V-shape before wrapping it around the paper tube.

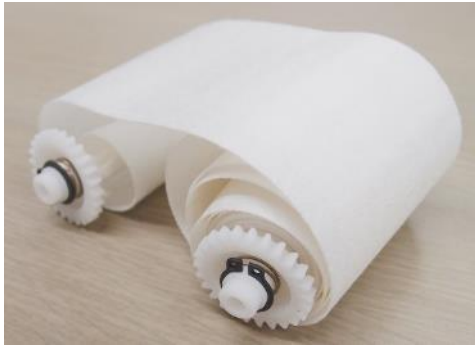
By cutting the media into a V-shape, it is possible to secure the tape at only one point when wrapping it around the paper tube, and by concentrating the force applied to the media at one point rather than three points, it is difficult for the media to meander, thus improving transportability.



Paper moves back and forth to cut.



3. Evolution of Usability 3 : New maintenance mechanism



Equipped with a "cloth wiper" for the head cleaning mechanism during cleaning
 To reduce ink splattering during head cleaning, cleaning around the head and cap area becomes easier than ever.

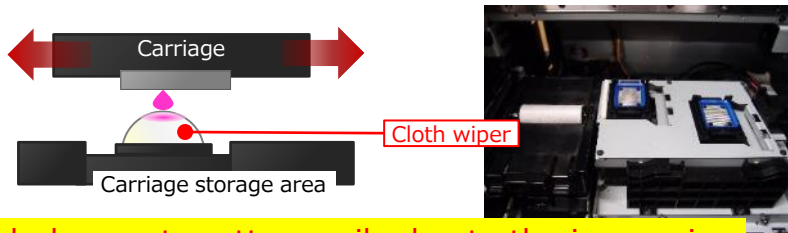
Supply SPC-0905 Cloth wiper

1 replacement / 40 cleanings = approx. 2 replacements per month when using an average of 3 liters of ink per month

*Calculated by taking into account the number of times automatic cleaning is performed every 48 hours. Replacement frequency may increase or decrease depending on usage conditions.

New maintenance mechanism Cloth wiper

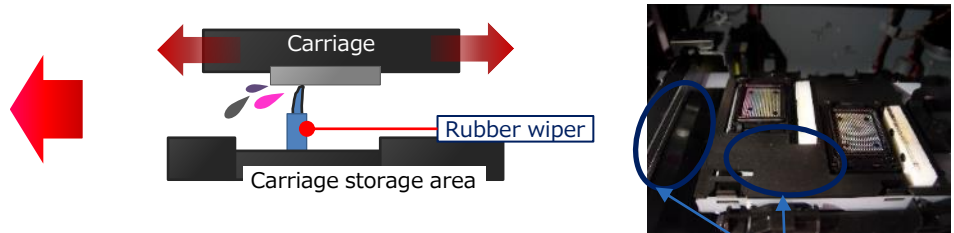
When cleaning the head, soak it with ink and clean it.



Ink does not scatter easily due to the immersion mechanism.

Around Waipa so far

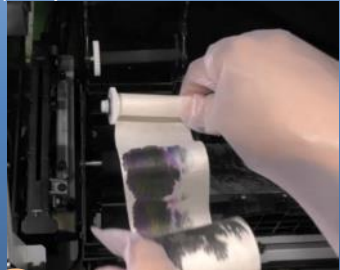
It cleans by scraping off the ink like a car wiper.



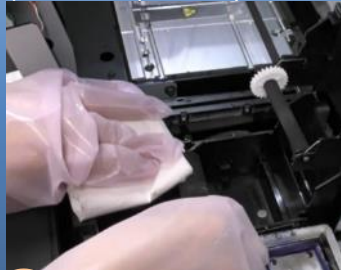
Ink tends to splatter when it is scraped off.

Cloth wiper replacement procedure

When the "Cloth wiper replacement" alert appears on the operation panel screen, it is time to replace the cloth wiper. Press [Maintenance] > [Station Maintenance] > [Wiper Replacement] on the operation panel, and follow the instructions on the LCD to replace the wiper (it takes about 2 minutes to complete the operation).



1 Remove the used cloth wiper.



2 Wipe off any dust with a cloth.



3 Install a new cloth wiper.



4 Set the wiper unit.

3. Evolution of Usability 4 : Panel app

Mimaki Remote Access" is an application that allows you to control the printer from a distance with your smartphone. It is possible to check the remaining ink and media level of the printer from a distance.

It is also possible to turn on the heater before going to the actual printer or to print the nozzle check pattern in advance.

Panel application: Operation screen e.g.)



Windows PC



of the same segment Network

Wireless LAN router



Smartphone



Supported OS / DL method

- | | | |
|---------|--|---|
| Windows | | Download from Microsoft Store ^{*1} |
| iPhone | | Download from App Store ^{*2} |
| Android | | To be supported in Ver. 1.2 |

*1 Windows10@(32/64bit)Home/Professional or higher

*2 iOS14 or higher Supported models:iPhone 7,8,X,11,12,SE(2nd generation)Series (As of January 31, 2022)

3. Evolution of Usability 5 : In-machine lighting

The 330Series is equipped with machine lighting as standard. You can check the image quality during printing even when it is dark around the printer.



In-machine lighting ON



In-machine lighting OFF

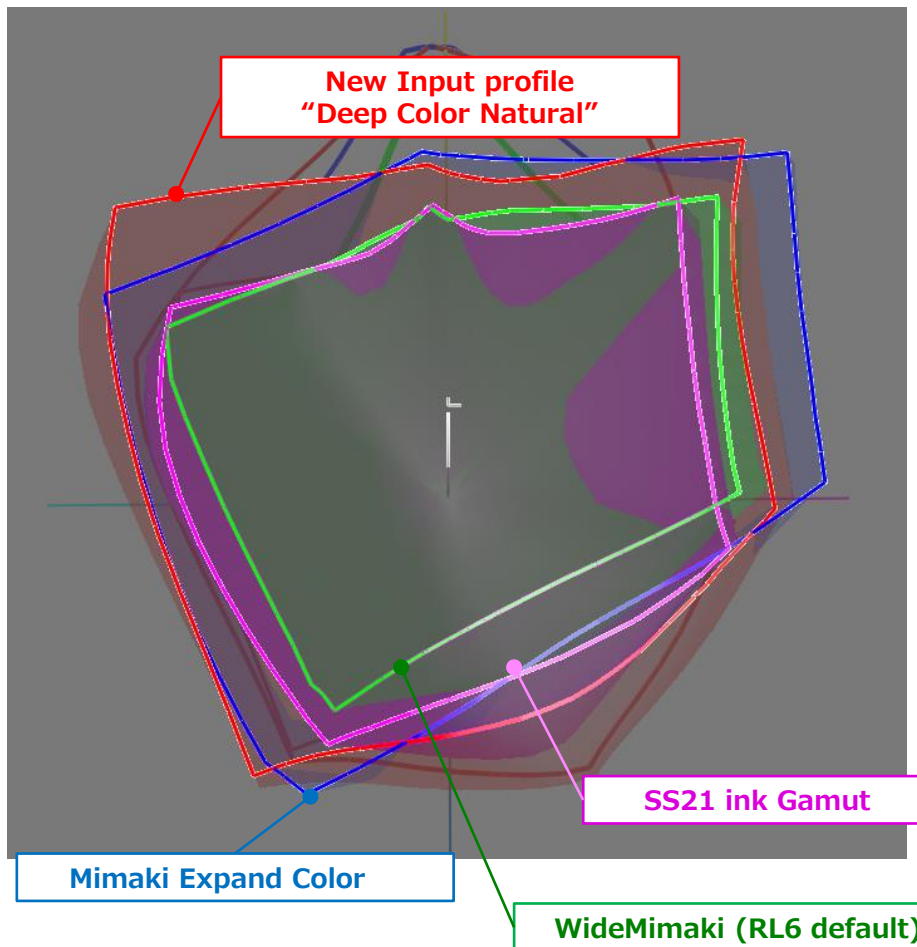


4. Evolution of Mimaki Core Technology

1. New input profile

New input profile "Deep Color Natural" is newly set from 330Series.

"Deep Color Natural" is an input profile that pursues the naturalness of skin tones and the filling of solid colors to create a profile that is easy to handle for the signage industry. It is a profile that achieves both vivid solid colors that catch the eye in outdoor and indoor signage, neutral gray, and gray expression comparable to offset standards.

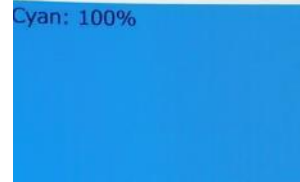


Deep Color natural

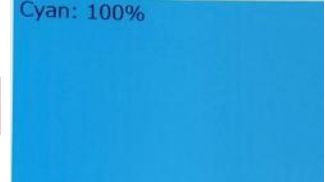
Expand Color

Point 1: Better solid fill (especially in the blue area)

Cyan: 100%

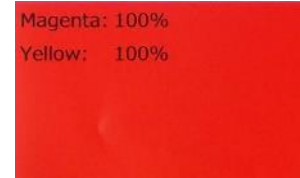


Cyan: 100%

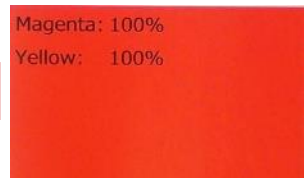


Point 2: Pursuing a deep red color that is often requested.

Magenta: 100%
Yellow: 100%



Magenta: 100%
Yellow: 100%



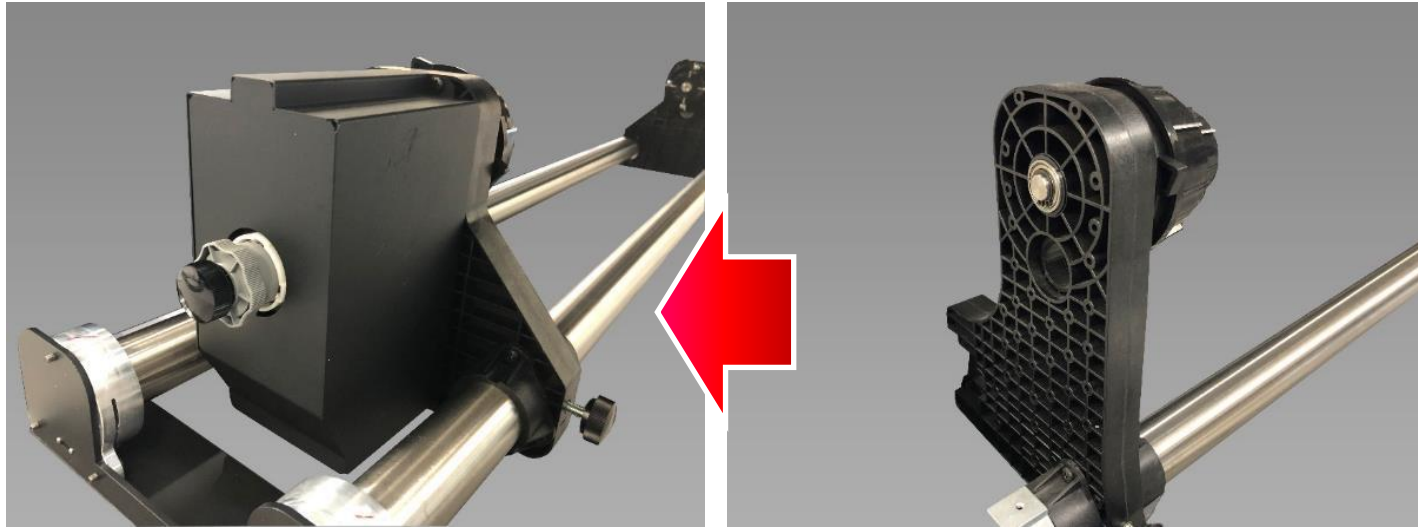
Point 3: Pursuing a more neutral gray



4. Evolution of Mimaki Core Technology

2. New transport mechanism

The drive motor of the take-up unit is attached to both the left and right sides, which distributes the load on the paper tube and improves the take-up accuracy. Winding accuracy is improved. The take-up power has been improved and the mechanism has evolved to be less prone to meandering.

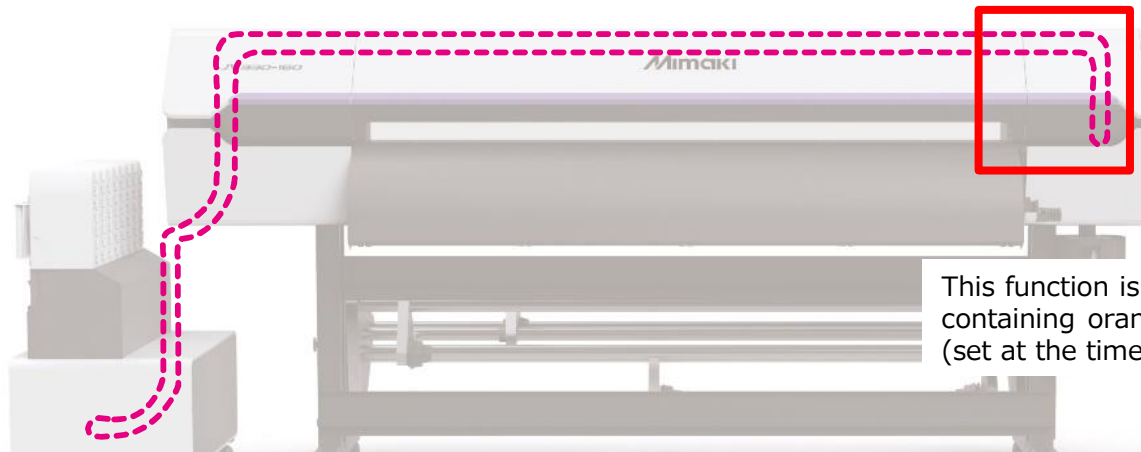
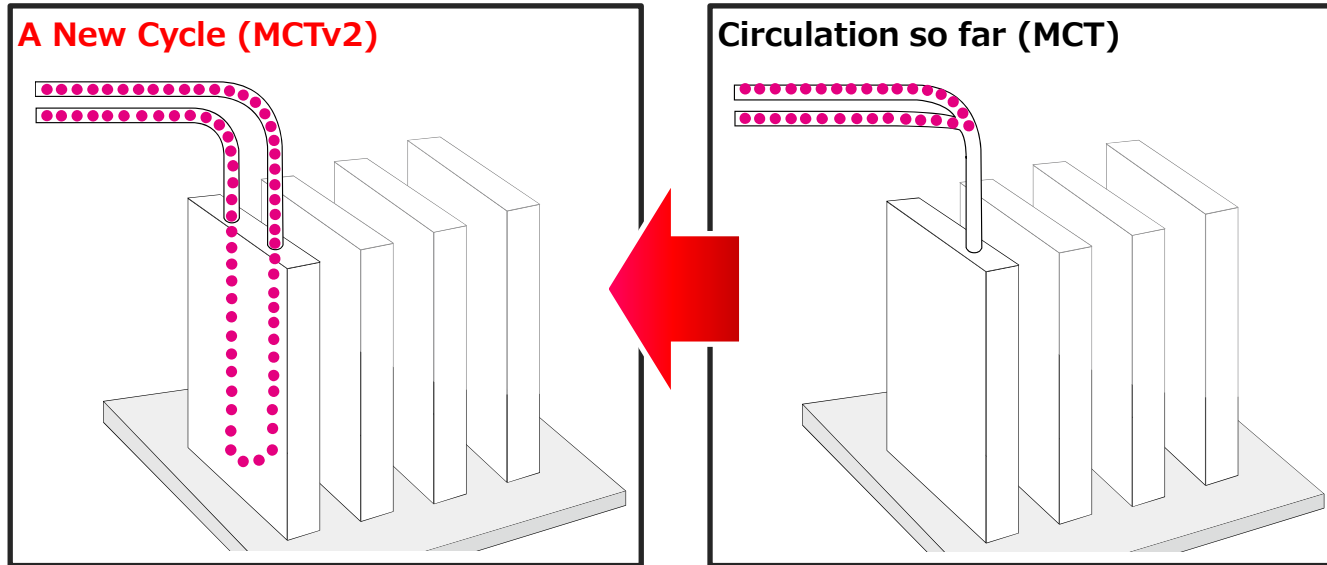


4. Evolution of Mimaki Core Technology

3. New ink circulation mechanism

MCT (Mimaki Circulation Technology), which suppresses ink sedimentation by circulating ink, has evolved.

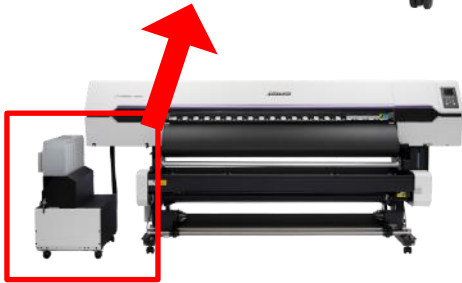
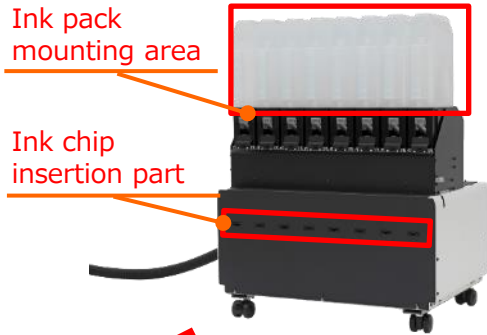
The MCT (Mimaki Circulation Technology), which suppresses ink sedimentation by circulating ink, has evolved from a mechanism that used to circulate ink in the ink path to a design that circulates ink in the damper as well, thereby keeping the ink fresh without wasting ink in the damper.



This function is available when the ink set containing orange and white inks is used (set at the time of installation).

4. Evolution of Mimaki Core Technology

4. New Ink Supply Unit



Ink supply unit of 330Series is floor mounted type

2L ink pack can be installed.

White and orange inks need to be stirred periodically to prevent settling. The new ink supply unit can be stirred without the need to remove the unit.

The new ink supply unit does not need to be removed and can be stirred even during printing.

To replace the ink, set the ink in the special case and insert the case into the mounting area.



In the new ink supply unit Ink mixing



In the past, the cartridge type was used for Ink mixing



The new ink supply unit can move the ink back and forth while it is still installed, whereas the conventional cartridge type ink stirrer had to be removed and then stirred back and forth.

The new ink supply unit can move the ink back and forth while it is installed, and the ink can be stirred while printing.

5. Inheritance of reliable Mimaki Core Technology

1. DAS

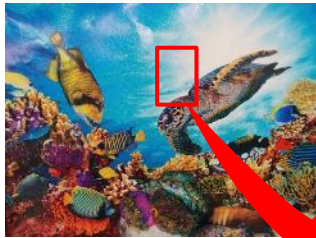
DAS (*Dot Adjustment System*)

A dedicated print pattern is printed on the media, and the printer automatically adjusts the "dot position" (dot landing position during bi-directional printing) and "feed" (media feed amount) using the sensor mounted on the Carriage.

The printer automatically adjusts the dot position (dot landing position during bi-directional printing) and feed (media feed amount) using sensors mounted on the carriage.

Some types of media, such as colored, reflective, or blotchy media, may have errors or cannot be corrected properly.

Before DAS



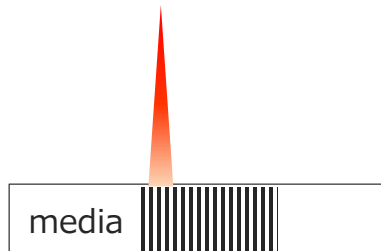
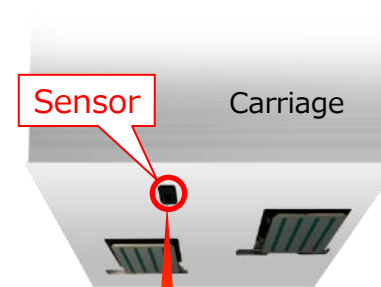
The feed and dot positions are not aligned, resulting in a noticeable grainy appearance.



After DAS



When DAS is executed, the feed dot position is aligned and a sharp, clean image is obtained.



Select Auto Correct > All to automatically perform feed correction and dot position correction.

【Execution details】

All (feed + dot position correction)

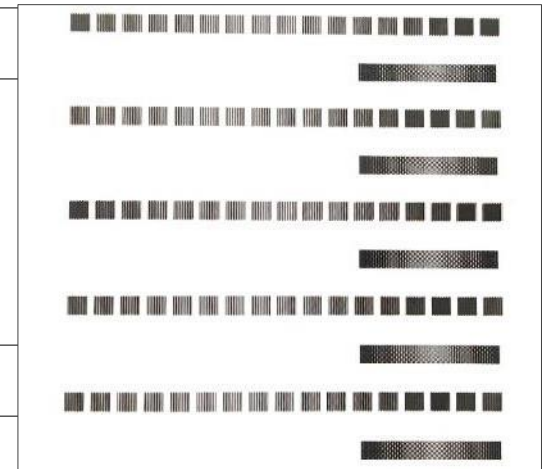
Approximate running time: about 16 mins

Feed correction only

Approximate running time: about 4 mins

Dot position correction only

Approximate running time: about 12 mins



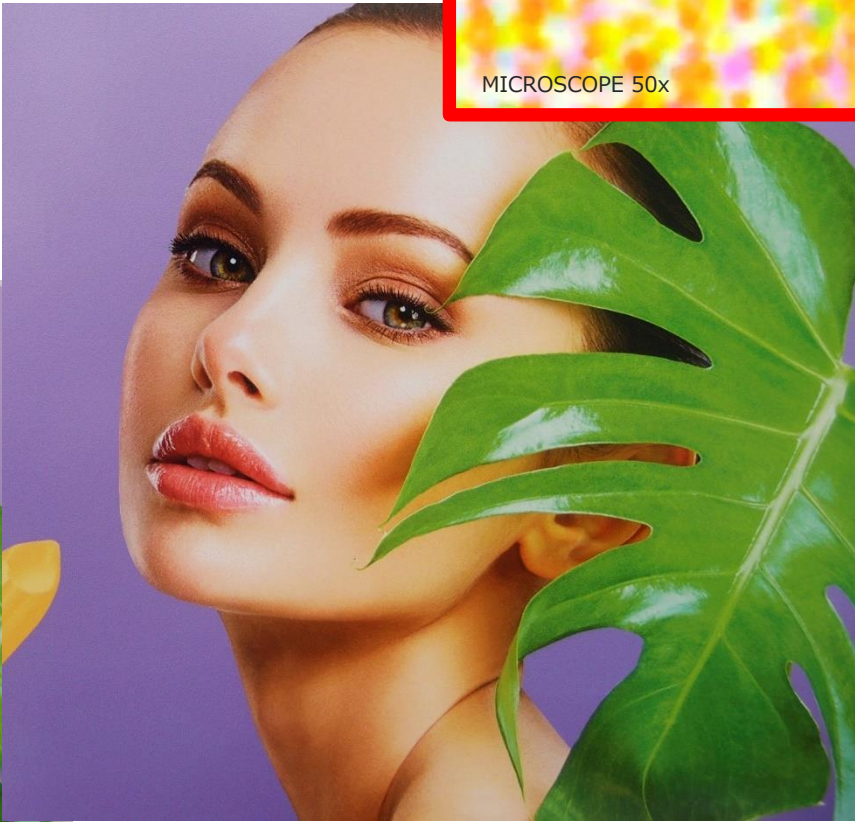
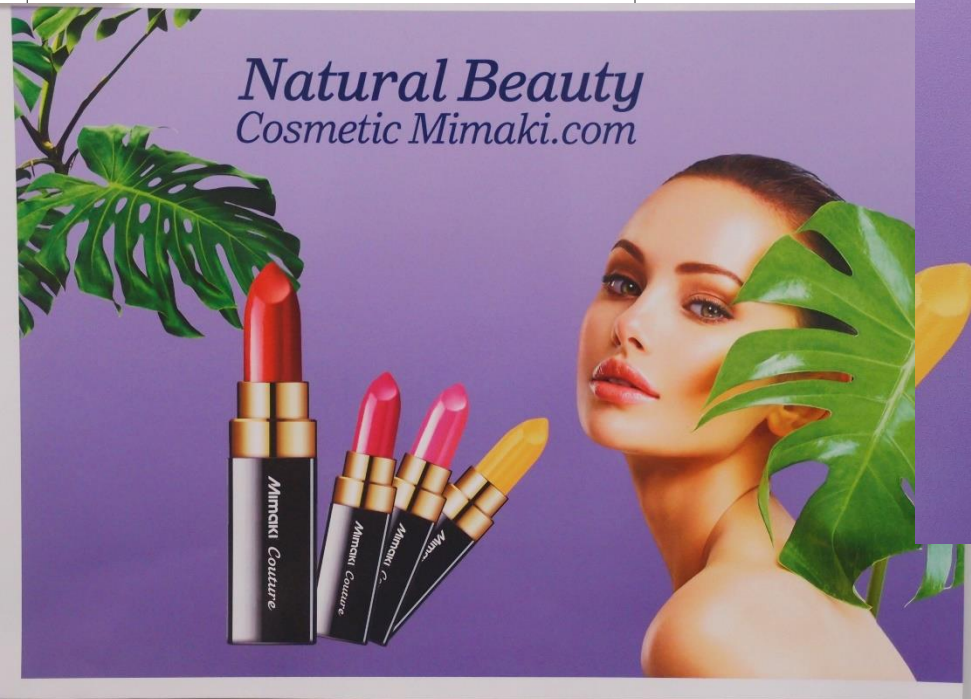
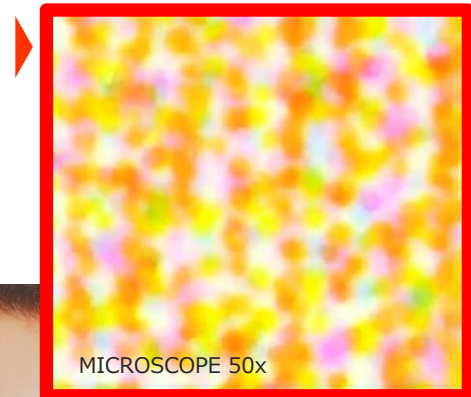
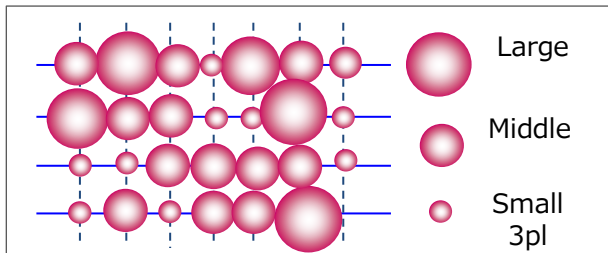
5. Inheritance of reliable Mimaki Core Technology

2. Variable Dot Control

Minimum 3pl Smooth image quality with minimal graininess

By ejecting dots of different sizes (Small, Middle, and Large)
Small, Middle, and Large dots.

The small dots (3 to 3.5pl) achieve finely detailed and realistic photographic expression.



The attached sample is output in JV330-160 SS21
(CMYKLcLmLkOr) 600x1200 12pBiHi Deep Color natural.

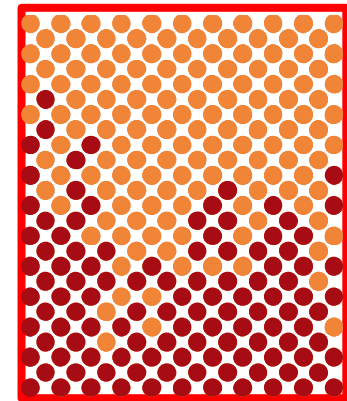
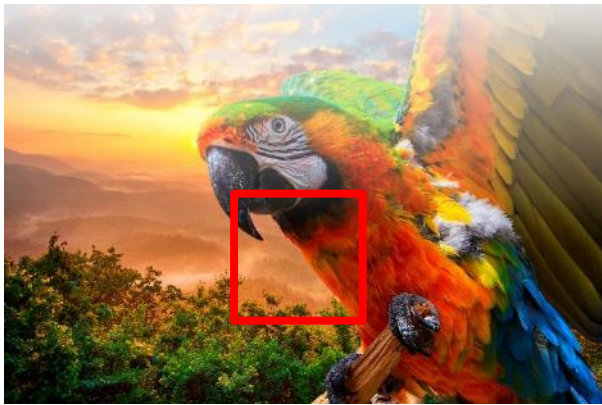
5. Inheritance of reliable Mimaki Core Technology

3. MAPS4

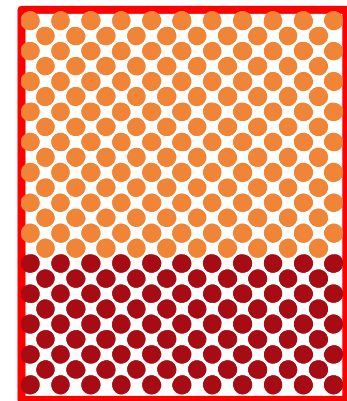
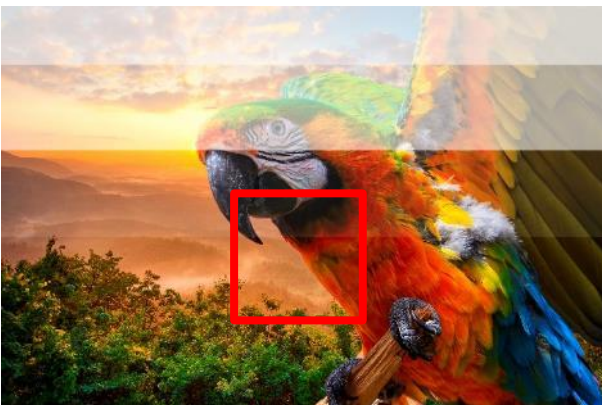
Mimaki's unique banding reduction system "MAPS4" (*Mimaki Advanced Pass System 4*)

By printing the border of the path in a gradation tone, banding (horizontal stripes), uneven color, and glossy stripes are reduced to achieve smooth printing.

With MAPS function



Without MAPS function



※ Image photo

5. Inheritance of reliable Mimaki Core Technology

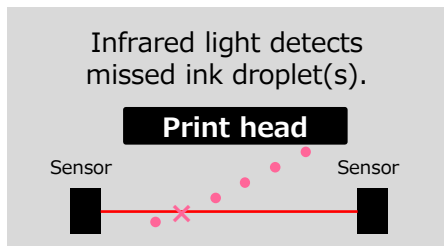
4. NCU/NRS

Maintain productivity by linking **NCU** and **NRS** that support continuous operation

NCU (Nozzle check unit) automatically checks the condition of the nozzles. When a nozzle clog is found, the nozzles will be automatically cleaned. If the troubles are not resolved by cleaning, the defective nozzles are automatically substituted by non-defective ones. Customers can continue the print operations without waiting for a repair by a technician.

NCU (Nozzle check unit)

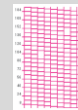
Automatically detects nozzle clogging. When a clogging is detected, the nozzles are automatically cleaned.



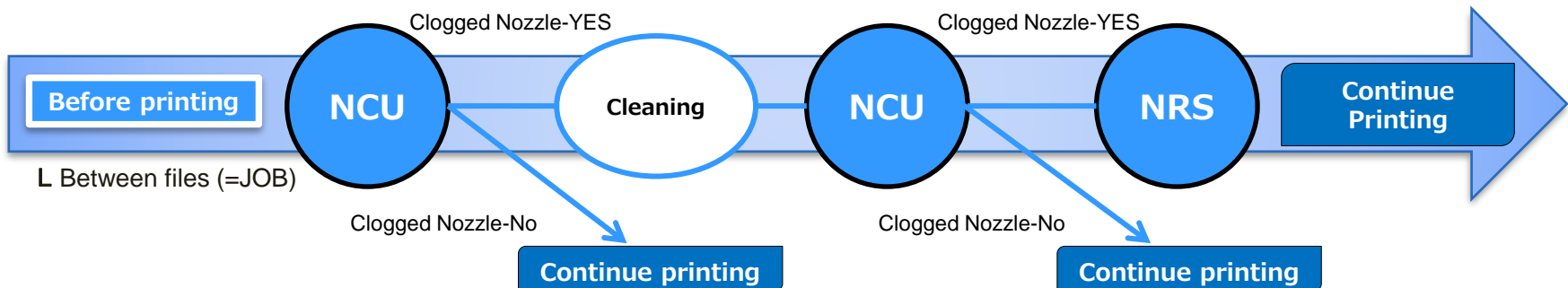
NRS (Nozzle recovery system)

When the nozzle troubles are not resolved by cleaning, **defective nozzles are substituted with non-defective nozzles automatically.** Customers can continue the print operations without waiting a repair by a technician.

Clogged nozzles are substituted By working nozzles. It is decided by the information from NCU.



← Clogged nozzles are substituted with normal nozzles.



- * It is required to turn on nozzle check, automatic cleaning and automatic nozzle recovery function on the printer.
- * Customers can set timing of NCU by number of sent file.
- * Depending on print condition, NRS may not work.

5. Inheritance of reliable Mimaki Core Technology

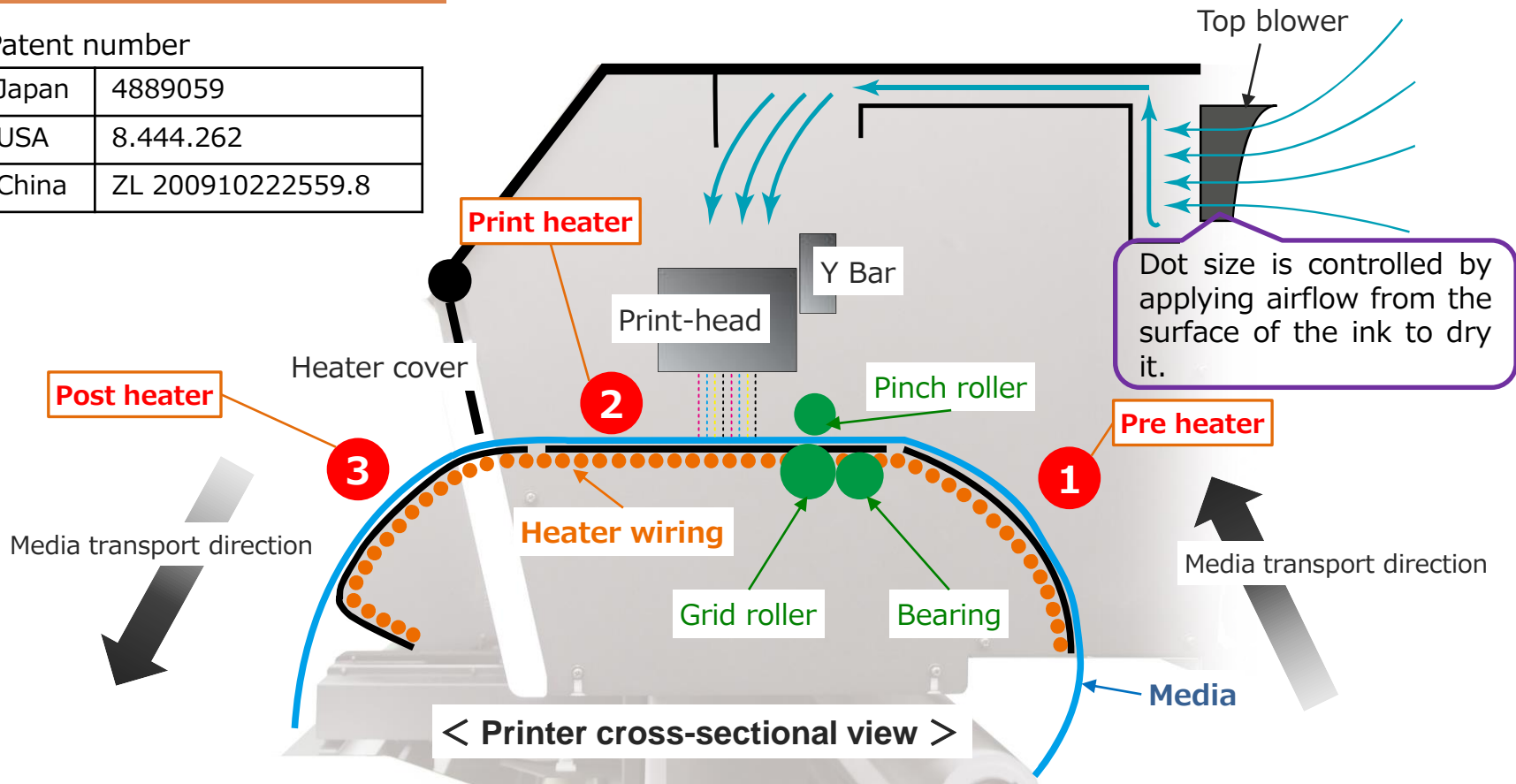
5. 3way Intelligent heater

- ① Ensures higher print quality without smear by quick and accurate ink dots fixed with heating media to proper temperature by Pre and Print heaters
- ② Post-heater provides additional drying after printing
- ③ Top blower controls dot sizes by drying ink from its surface

Patented technology 3 Way Intelligent heater

Patent number

Japan	4889059
USA	8.444.262
China	ZL 200910222559.8



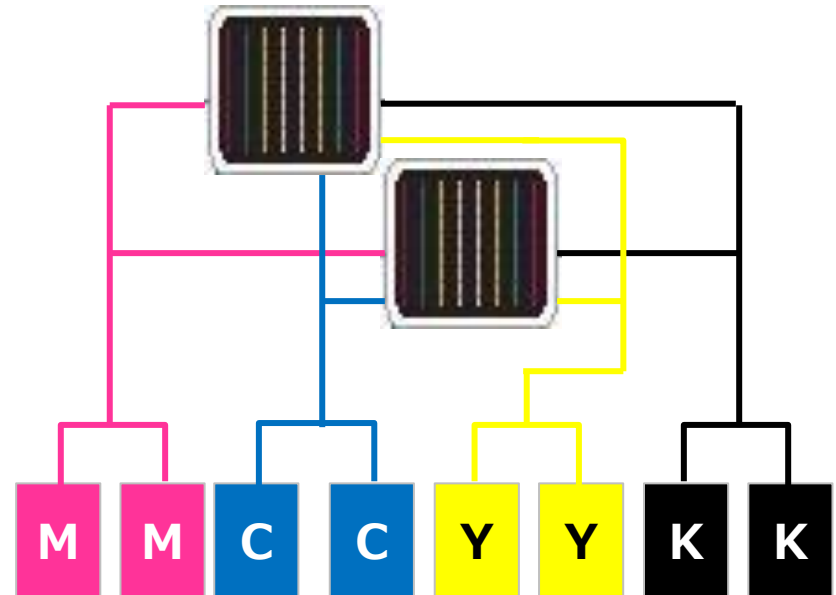
5. Inheritance of reliable Mimaki Core Technology

6. UISS

*Uninterrupted Ink Supply System

When using a 4-color ink set, when one of the ink packs runs out of ink, ink is automatically supplied from the second remaining ink pack.

This allows you to replace the ink during printing without interrupting the printing process.



6-1. Productivity 20% faster than JV300

PVC 8Color

High speed
21.0m²/h



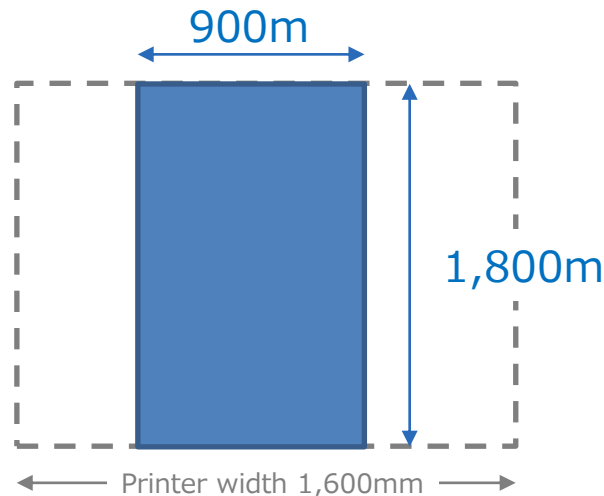
PVC 4Color

High speed
30.0m²/h



To output a 900x1,800mm sign

approx. **7 sheet**
/ 1hour output



approx. **10 sheet**
/ 1hour output



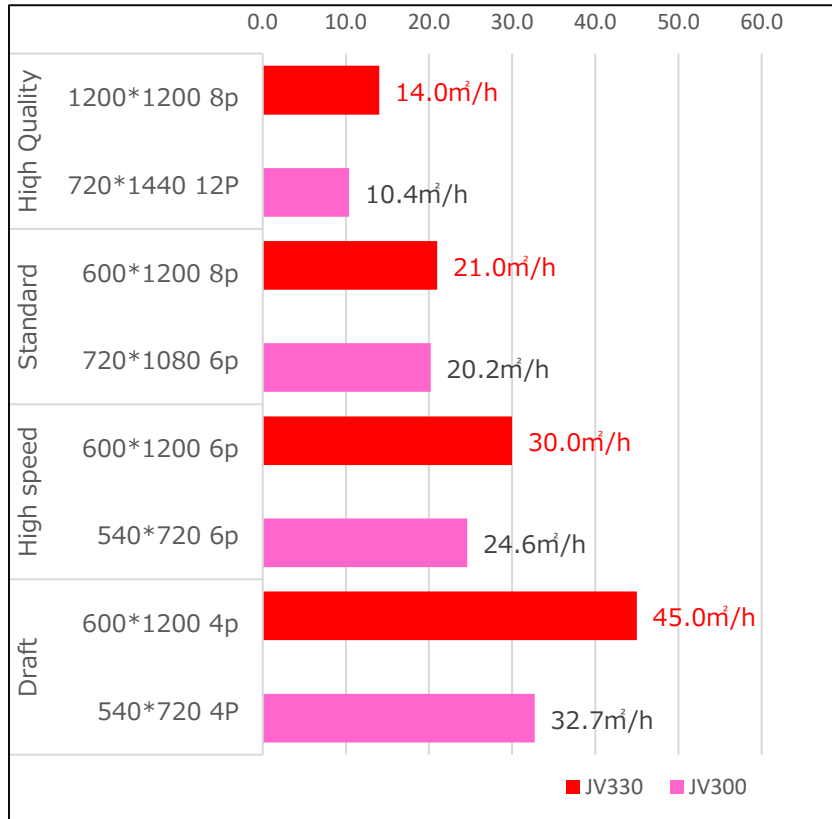
Calculated as $1.6 \times 1.8 = 2.88 \text{ m}^2$ per sheet.



In addition, compared to the JV300 (JV300Plus), the quality of the solids has been improved, with unevenness between passes and unevenness in beading.

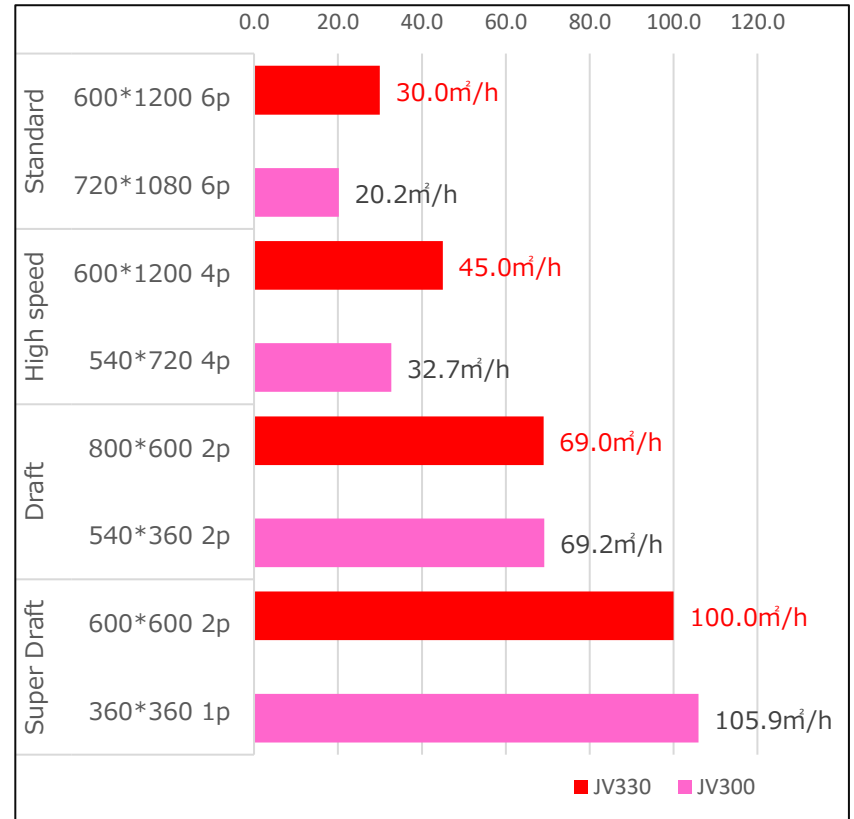
6-2. Productivity 4 colors (CMYKCMYK)

4 Color PVC



Mode	Resolution & Pass	sqm/h
High Quality	1200x1200 8pass Bi Hi	14.0
Standard	600x1200 8pass Bi Hi	21.0
High Speed	600x1200 6pass Bi Hi	30.0
Draft	600x1200 4pass Bi Hi	45.0

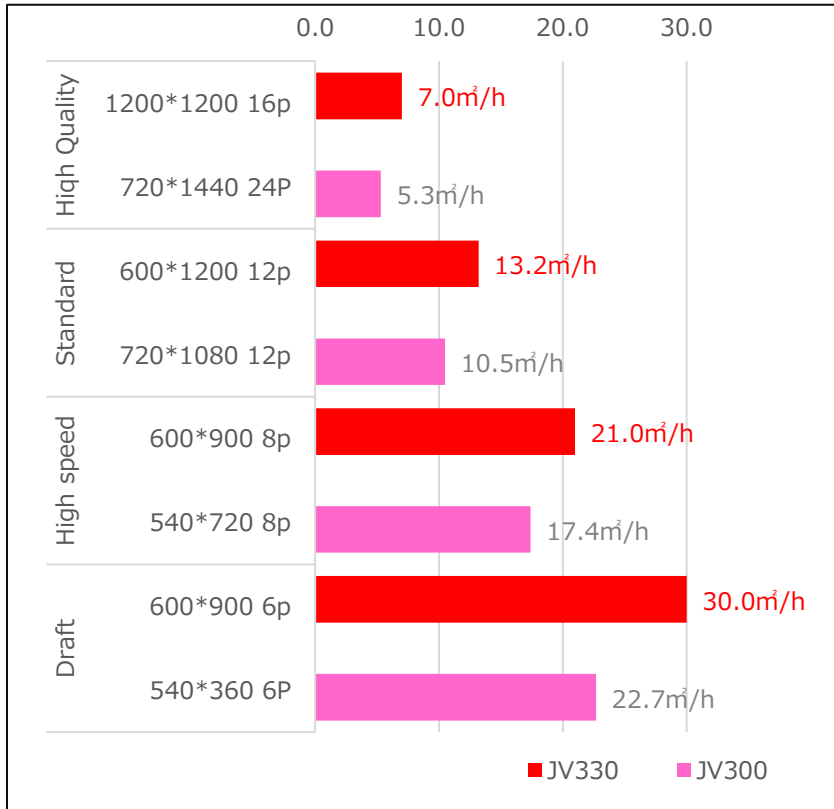
4 Color Tarpaulin



Mode	Resolution & Pass	sqm/h
Standard	600x1200 6pass Bi Hi	30.0
High Speed	600x1200 4pass Bi Hi	45.0
Draft	800x600 2pass Bi Hi	69.0
Super Draft	600x600 2pass Bi Hi	100.0

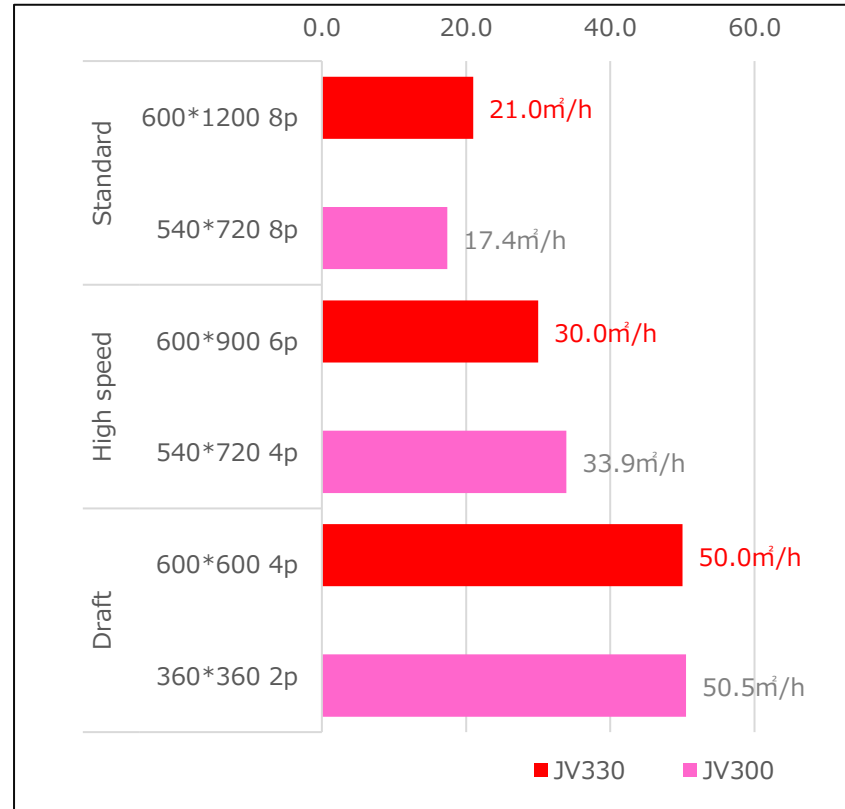
6-3. Productivity 8 colors, 6 colors

8 Color PVC



Mode	Resolution & Pass	sqm/h
High Quality	1200x1200 16pass Bi Hi	7.0
Standard	600x1200 12pass Bi Hi	13.2
High Speed	600x900 8pass Bi Hi	21.0
Draft	600x900 6pass Bi Hi	30.0

8 Color Tarpaulin



Mode	Resolution & Pass	sqm/h
Standard	600x1200 8pass Bi Hi	21.0
High Speed	600x900 6pass Bi Hi	30.0
Draft	600x600 4pass Bi Hi	50.0

7-1. Software : RasterLink7

Raster Link 7



Supports beautiful printing and operability
Compatible with RasterLink7

1

Improved reproducibility of special effects (transparency effects) of PDF data

2

PDF data RIP processing averages 25% faster

3

Variable printing function enables uniform printing of one item

4

Redesigned UI such as favorite settings and pop-up display of logs

1

Accurate processing and printing without glitches

Data with transparency effect

Data with a lot of gradients

2

Reduce PDF data RIP processing time by an average of 25% compared to RL6Plus

25% time reduction

3

Support for variable printing

Template Data	画像	氏名	会員番号
		榎牧 花子	1000
		榎牧 太郎	1001

可変・差し込み

4

Integrate favorite settings into one screen.

In case of an error, a pop-up window will appear to notify you.

7-2. Other system : Ethernet

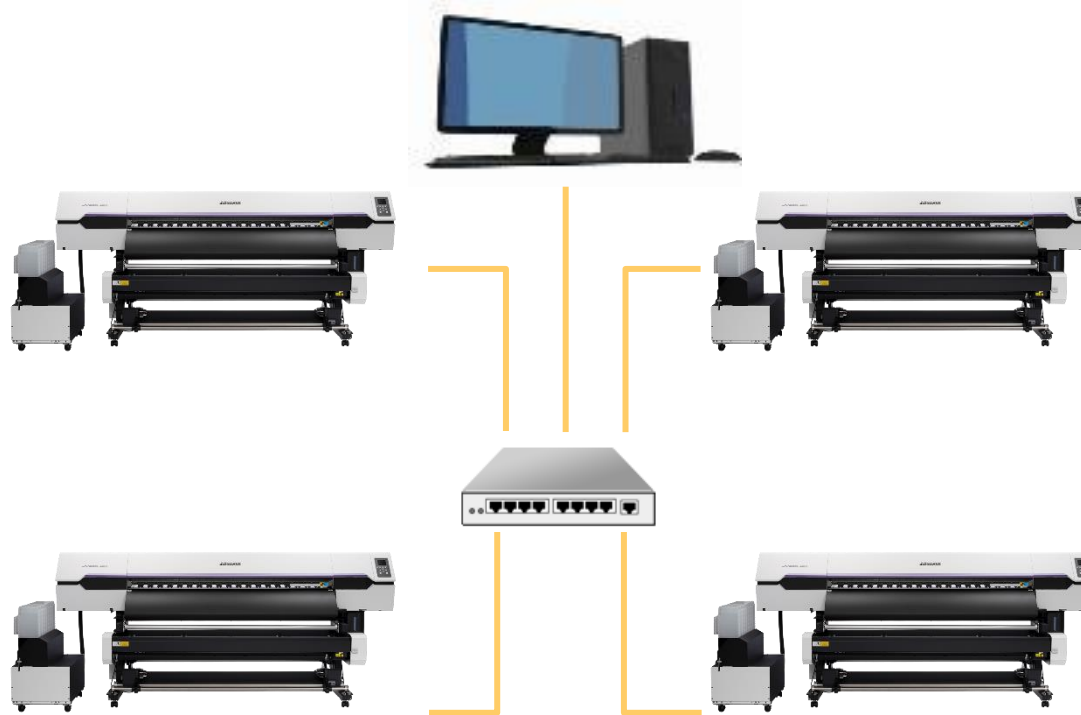
The 330Series is available in two types of connections:

- 1) Ethernet (Ethernet 1000 BASE-T)*¹
- 2) USB (2.0 Hi-speed)*².

Ethernet connection is a convenient way to connect multiple printers from a single computer, and is easy to install because you only need to add a cable to your office network environment.

*1 Ethernet connection is recommended

*2 Capable of outputting USB 2.0 (up to 5 meters)



*Please use a Category 6 (CAT6) network cable.

*The connection cannot be relayed through a router.

*When using USB connection, the print speed may be reduced depending on the output data.

*When printing from Ethernet, build the printer and output PC in the same network.

*When using a switching hub, use a 1000BASE-T compatible device.

*RasterLink7 can register up to 4 printers, but printing may stop depending on the network environment.

8-1. system configuration

[PC] [Software for design] [Connection]



Compatible with PS, EPS, TIFF, BMP, JPEG, PDF, etc.

Recommended Ethernet cable

USB2.0 (Recommended 5m)



■ Recommended PC Specifications

OS	Windows 10® Pro (64bit)
CPU	Intel® Core™ i5-4670K 3.4GHz
Chip set	Intel® Z87 Express
Memory	8GB or more
HDD	1TB or more
Interface	Ethernet (1000BASE-T) or USB2.0 USB2.0: max. 5 m

■ Minimum PC specification

OS	Windows 8.1® /Pro/Enterprise (32/64bit) Windows 10® Home/Pro/Enterprise (32/64bit)
CPU	Intel® Core™ i3 (3.7GHz) or more
Chip set	Intel®Generic Chip set
Memory	32bit:3GB or more 64bit:4GB or more
HDD	500GB or more
Interface	Ethernet (1000BASE-T) or USB2.0 USB2.0: max. 5 m

Option

- **OPT-J0532 X Slitter Unit**
-> Cutter unit for two additional X cutters

System



Print

JV330-160
JV330-130

Print & Cut

CJV330-160
CJV330-130

Standard equipment

1. Main unit
2. Ink supply unit
3. Media changer
4. Take-up unit
5. XY Slitter
6. Replacement blades for X-cutter
(Carbide blades 45°, 2-piece set)
7. Maintenance Kit
8. Power cable
9. RIP Software RasterLink 7

8-2. Specifications Printer main unit

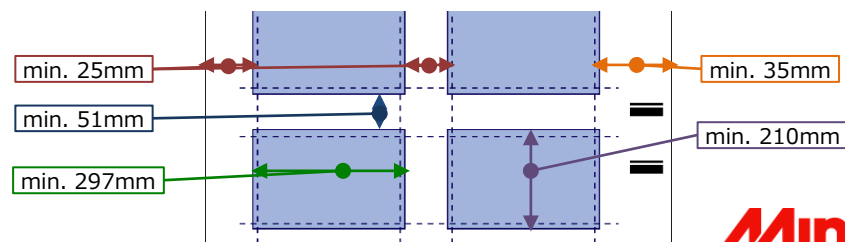
Item		JV330-160/130、CJV330-160/130	Remarks
Printer	Size expansion	JV330-160 / -130 CJV330-160 / -130	
Head	X,Y Resolution	Y: 600, 800, 1,200 dpi X: 600, 900, 1,200, 1,800 dpi	
Ink	Compatible ink	SS21 / BS4	
	Compatible ink set	See Ink Set on page 11.	
Media	Max. media width	160: 1,620 mm / 130: 1,370 mm	
	Max. drawing width	160: 1,610 mm / 130: 1,360 mm	
	Print margin	Right and left: 15mm (Minimum 5 mm) Forward and backward: 70mm (Minimum 10 mm)	
	Max. load capacity	3 rolls (Media changer)	New feature
	Maximum roll weight	1 roll: max. 45 kg or less 3 rolls: Total 90 kg or less	New feature
	Roll outline	Φ250mm or less	
	Paper tube inner diameter	2 inches / 3 inches	
	Winding device	Included	
	Media cutting	Included	
Other	Heater	PRE/PRINT/POST: 50°C / 45°C / 60°C	
	Head gap	Manual 3-step (2.0/2.5/3.0)	
	Ink circulation	Circulation in damper MCTv2	New feature
	Cleaning cartridge	Included	
	Missing nozzle detection	Included	
	Automatic correction (DAS)	Included	
	In-flight lighting	Included	
	Interface	Recommended: Ethernet 1000 BASE-T USB 2.0 Hi-speed	
	Noise	Standby: 45 dB or less Operating continuous sound: 59 dB or less	

8-3. Specifications Printer main unit

Item		JV330-160/130, CJV330-160/130
	Applicable standards	IEC 62368-1 compliant ETLCB, CE (EMC Directive, Low Voltage Directive, Machinery Directive, RoHS Directive) REACH, VCCI Class A, FCC Class AEAC, KC, RCM, UKCA, EnergyStar
	Power Specifications	Main unit Single phase: AC100~120V/200~240V±10% 50/60Hz±1HZ x2
	Power consumption	MAX: [Inlet1] 1,440 W or less (AC100-120, AC200-240V) [Inlet2] 1,440 W or less (AC100-120, AC200-240V)
		Std. : [Inlet1] 800 W [Inlet2] 750 W
		Min. : [Inlet1] 4.5 W or less (Sleep) [Inlet2] ---
	Equipment environment	Waste ink tank (2,000 cc)
	Waste ink disposal	RasterLink7, Remote access
Software	Speed: Max. 300 mm/s Acceleration: Max. 0.5G	
CJV330 Cutting function	Cutting speed and acceleration	10~450 gf
	Cutting pressure	10 times/sec
	Cutter response time	±0.2 mm
	Repetition accuracy	32 MB
	Receive buffer Memory	MGL-II c2
	Command	1. Die-cut, 2. ID cut support, 3. Continuous toner reading, 4. Intermediate trim mark function
	Other	Waste ink tank (2,000cc)

8-4. Specifications XY Sulitter

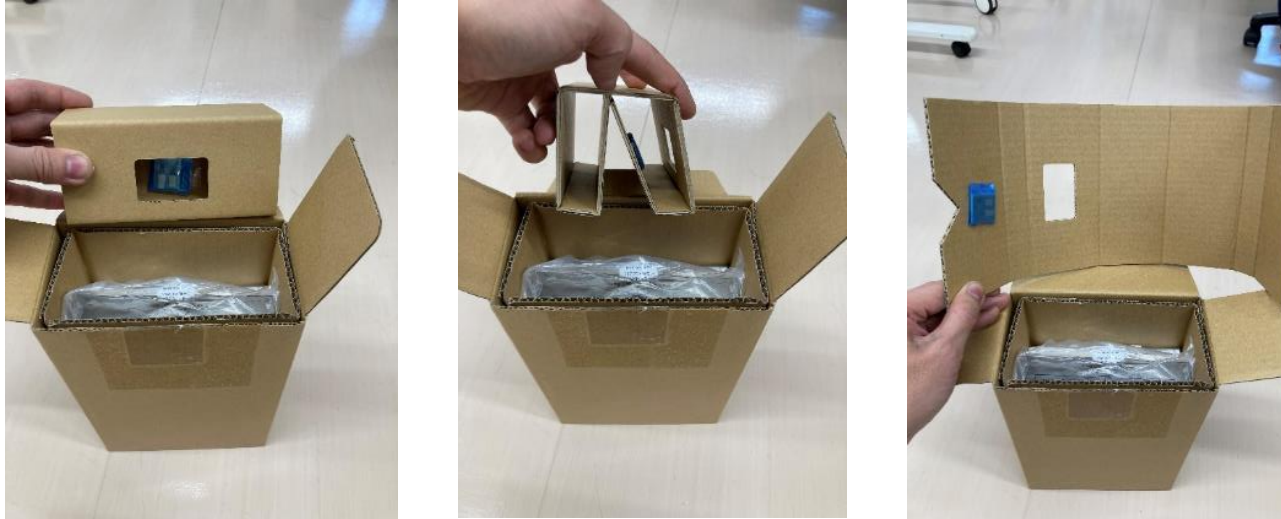
Item	Specifications XY Sulitter
Blade used	Blade used in X direction: SPA-0046_Carbide blade 45 degrees Blade used in Y direction: SPA-0107_Cutter Blade Assy
Media holding mechanism	Grid roller + pinch roller (common with CG)
Media Cut	X direction: The slitter unit can be fixed to any position on the Y-bar section and cut in conjunction with the X feed. Y-direction: Detects tongues marks and cuts with a cut command.
Media feed	Automatic feed by detecting the tension bar position (independent control from the feed on the printer side)
X slit	Cut position: User-defined position (manual placement) Cutting width from media edge: 25 mm minimum Cutting accuracy: ± 2 mm or less for 2 m long cut / ± 5 mm or less for 3 0m long cut *Excluding the impact of media skew
Y slit	Cut position: 15 mm from the mark in the feed direction Cut width: Data width + 5 mm at both ends Cutting accuracy: ± 2 mm max.
Cutter blade durability	X: Carbide blade 4,000m or more (for photo paper) Y: 5,500m or more (for photo paper)
Cutttable media	Vinyl chloride/ transfer paper/ photo paper/ window film (not tarpaulin or FF) *Depending on the thickness and strength of the media, there may be a loss of accuracy due to media jam or skew. We recommend that you test the media thoroughly before use.
Thickness of cuttable media	Maximum 1mm
Media thickness	Media set position: right reference set or center reference set Media width: 1,620 mm
Print data	Max. data width: 1,560 mm (max. media width 1,620mm - min. right margin 35 mm, min. left margin 25 mm) Minimum data width: A4 portrait (210 mm x 297 mm) Minimum distance between data: X 25 mm / Y 51 mm



9. Environmental Initiatives

1. SS21 ink/BS4 ink Packing box

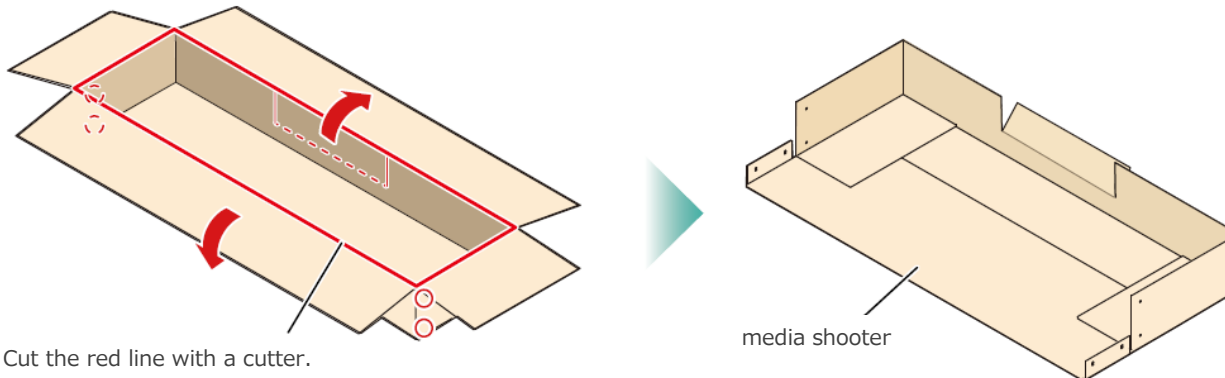
The 2L ink pack of SS21/BS4 is **92%** made of cardboard and paper, and 8% of plastic. This is an environmentally friendly packaging format.



**SUSTAINABLE
DEVELOPMENT
GOALS**

2. Reusing packing boxes for shooter boxes for XY slitters

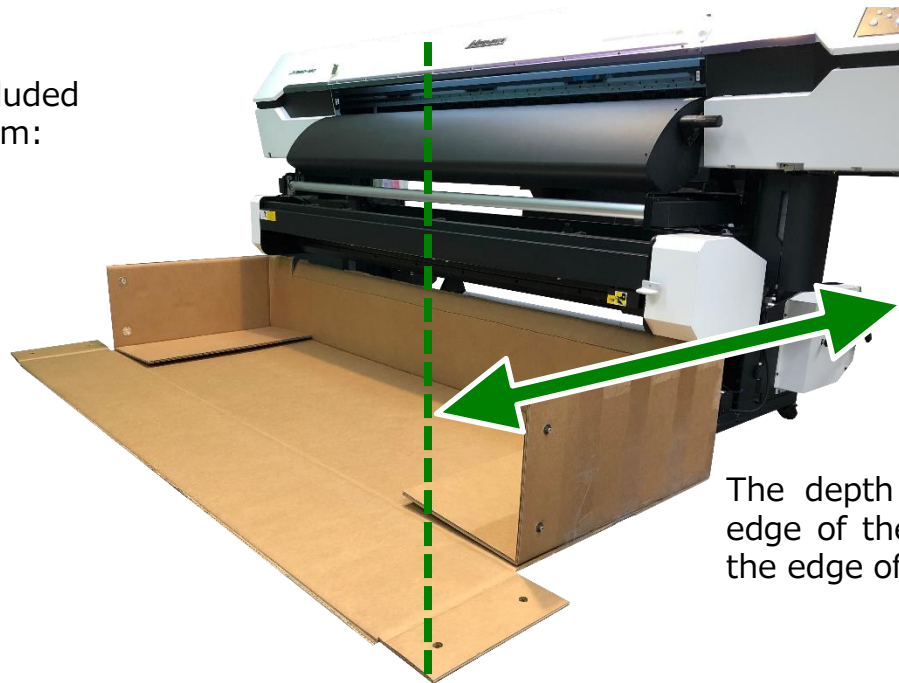
The packing box of the XY slitter can be reused as a media shooter.



10-1. Equipment size and weight

	JV330-160	JV330-130	CJV330-160	CJV330-130
Width (W)	3,170 mm	2,920 mm	3,170 mm	2,920 mm
Depth (D)	1,215 mm	1,215 mm	1,215 mm	1,215 mm
Depth (D)*1 Media Shooter Included	2,050 mm	2,050 mm	2,050 mm	2,050 mm
Height (H)	1,305 mm	1,305 mm	1,305 mm	1,305 mm
Weight (Weight without legs)	368 kg (157 kg)	358 kg (153 kg)	373 kg (165 kg)	363 kg (158 kg)

*1 Media Shooter included
Explanatory diagram:



The depth is measured from the edge of the back of the printer to the edge of the media shooter.

10-2. Packing size and weight

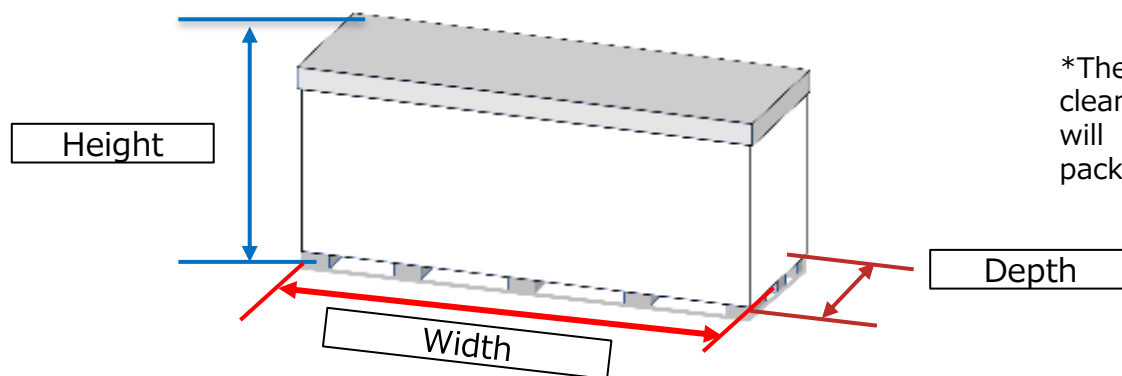
Shipped in two boxes of cardboard packaging.

	JV330-160	JV330-130	CJV330-160	CJV330-130
Printer				
Width (W)	3,550 mm	3,300 mm	3,550 mm	3,300 mm
Depth (D)	1,130 mm	1,130 mm	1,130 mm	1,130 mm
Height (H)	950 mm	950 mm	950 mm	950 mm
Weight	369 kg	364 kg	377 kg	369 kg
XY Slitter				
Width (W)	2,290mm	2,040mm	2,290mm	2,040mm
Depth (D)	740mm	740mm	740mm	740mm
Height (H)	320mm	320mm	320mm	320mm
Weight	91kg	89kg	91kg	89kg

[Packaged items]

Printer main unit
Media changer
External ink supply unit
Printer leg parts
Printer accessories (3 boxes)
Waste ink tank
Paper tube

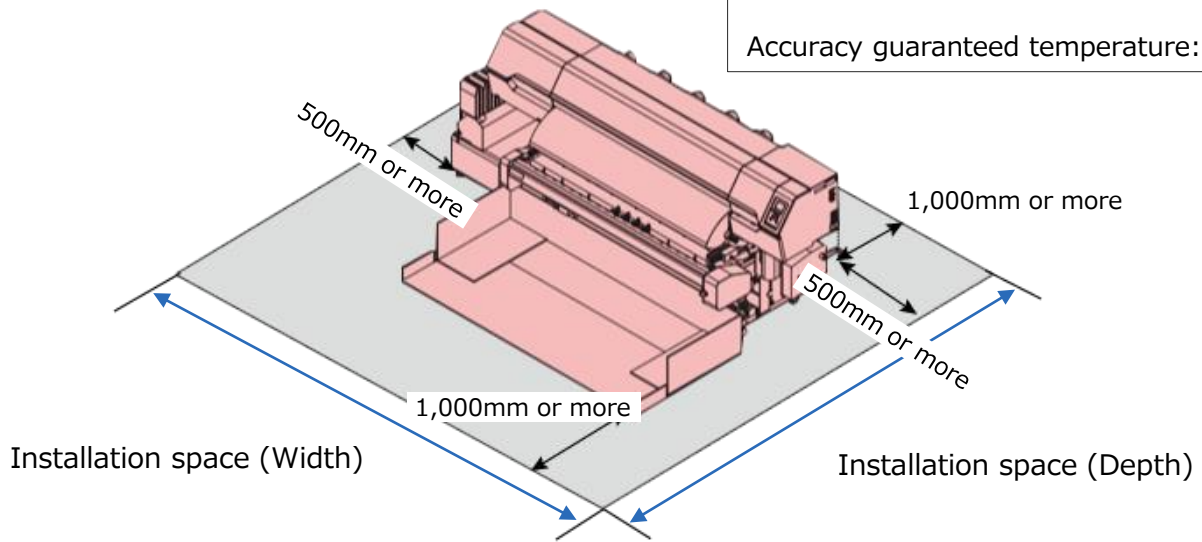
XY slitter unit set
Winding side roll holder x2,
Roll guide x2



*The cleaning solution for pre-cleaning and maintenance KIT will be shipped in a separate package.

10-3. Recommended installation environment

Operating environment:	20~30 °C (68~86 °F) 35~65% Rh (Non-condensing)
Accuracy guaranteed temperature:	20~25 °C (68~77°F)



Installation space	JV330-160	CJV330-160	JV330-130	CJV330-130
Width	4,170mm or more	4,170mm or more	3,920mm or more	3,920mm or more
Depth	4,050mm or more			

NOTICE

- ! Do not install the unit in a place where there is dust or dirt. If it gets inside the unit, it may cause malfunction or defective discharge (clogged nozzle, bent flight, etc.).
- Do not install the unit in a place where it will be exposed to wind such as from an air conditioner. There is a possibility of dust or powder getting into the inside of the machine.
- Do not install the product in an unstable place or a place where vibration may occur. There is a possibility of malfunction or defective discharge (nozzle clogging, flight bending, etc.).
- Do not install the product in a place where it is exposed to direct sunlight.
- Do not install in a place where the temperature changes rapidly. There is a possibility of defective discharge (nozzle clogging, flight bending, etc.).
- Do not install in a place where large noise-producing machines are located.

List of supplies①

No.		Part Number	Item name
1	NEW	A107087/SPC-0905	Cloth Wiper Kit
2	NEW	A107088/SPA-0333	Cap Absorber Set
3	NEW	A107089/SPA-0334	Cap Absorber (Single Item)
4	NEW	A107090/SPA-0335	Cap Assy
5		A101437/ -	BEMCOT M-3
6		A101438/ -	Swab 6-axis "S"
7		A101078/SPA-0107	MEDIA CUTTER BLADE
8		A102216/SPC-0527	Cleaning Stick for Head Surrounding
9		A104634/SPA-0207	KIMWIPE S-200
10		A102826/SPC-0626	MBIS Eco case ASSY
11		A104849/SPA-0246	Other accessories and consumables
12		A104850/SPA-0247	PR10
13		A104864 /SPA-0248	EXHAUST BOX
14		A104865/SPA-0249	EXHAUST BOX FILTER
15		A104945/SPC-0774	300 FAN FILTER
16		A102825/SPC-0625	MALE CONNECTOR ABSORBENT FOR MBIS
17		A105784/SPC-0825	3 INCHES PAPER TUBE 130
18		A105785/SPC-0826	3 INCHES PAPER TUBE 160
19		A100001/SPA-0001	Cutter holder
20		A100640/SPA-0090	Cutter holder
21		A100006/SPB-0001	Swivel Blade for PVC sheet
22		A100010/SPB-0003	Swivel Blade for small letters
23		A100015/SPB-0006	Swivel Blade for reflecting sheet
24		A100039/SPB-0007	Swivel Blade for fluorescent sheet
25		A100341/SPB-0030	Swivel Blade for PVC with low-pressure

List of supplies②

No.		Part Number	Item name
26		A102653/SPA-0169	Pen adapter
27		A102653/SPA-0169	Pen adapter
28		A102412/SPA-0166	Pinch Roller Set 4pcs
29		A102413/SPA-0167	Pinch Roller Set 3pcs
30		A104334/SPA-0183	Pen holder for Mitsubishi
31		A104211/SPC-0726	REFILL FOR MITSUBISHI BALLPOINT PEN
32		A104941/SPC-0770	PEN LINE RUBBER FOR 300/150-160
33		A104942/SPC-0771	PEN LINE RUBBER FOR 300/150-130
34		A104953/SPC-0775	PEN LINE SPONGE FOR 300/150-160
35		A104954/SPC-0776	PEN LINE SPONGE FOR 300/150-130
36		A106987/SPC-0895	Media Pt KIT Sol
37	NEW	A107085/SPC-0903	MBIS Cinvex connector Absorber13 100pieces pack
38	NEW	A107167/SPB-0093	Carbide blade 45°(25L)

Disclaimer and Precautions

■ Disclaimer



- Regardless of whether or not the JV330-160/-130 or CJV330-160/-130 (hereinafter referred to as "this machine") is malfunctioning, our company assumes no responsibility for any direct or indirect damages resulting from the use of this unit.



- We are not responsible for any direct or indirect damage to the product created by this machine.



- Use of equipment other than that recommended by us may result in fire or damage to the unit. In this case, the warranty does not apply. We are not responsible for any direct or indirect damage caused by such use.



- Use only our genuine ink and maintenance cleaning solution. Use of any other ink may result in poor print quality or damage to the unit. In this case, the warranty does not apply. We will not be liable for any direct or indirect damages caused by such use.

■ Maintenance Precautions



- Clean the unit periodically. After using this unit for many years, dust and dirt will accumulate on the electrical parts. This may lead to malfunction of the unit due to electrical leakage, electric shock, or fire.



- Do not clean the unit by air blowing or other air spray methods. Do not use air blowing or other air-breathing methods to clean the unit, as this may cause dust and debris to enter the electrical components, resulting in malfunction of the unit, electric shock, or fire. Apply neutral detergent diluted with water to a soft cloth, wring it out tightly, and then wipe it off. Alternatively, use a vacuum cleaner to absorb the dust.



- Do not allow any liquid to get inside this machine. Failure to do so may result in malfunction of this machine, electric shock, or fire.