For SIGN GRAPHICS

Roll to Roll Eco-solvent Inkjet Printer

JV100-160

Mimaki

Expert printing made easy

The four UP-graded features for power-up your business NEW!

UP!

Function for the high image quality UP!

NEW!

DAS

Automatic adjustment of dot landing position & medium feed comp

Speed UP!

Speedy printing of high-quality images

27.4 m²/h

(294.93 sqft/h)

4C 720x600 dpi 4P

(For Banner)

Drying property grade UP!

NEW! New Mimaki's Eco-solvent ink

CS250

Reproducibility of PDF data of special effect Software operability UP!

NEW!

Mimaki's original RIP

Raster Link 7

Reliable new feature that achieves Mimaki quality

DAS (Dot Adjustment System) NEW!

The function to adjust automatically the dot position and the feed amount that affect print quality as the standard equipment.

After changing a media and a printing condition, the ink dot position and media feeding amount must be adjusted accordingly.
Since DAS automatically applies them, printing can be performed without labor and variation of adjustment by the operator (*1).

* 1 : Some media cannot be automatically applied.

DAS

It is the function to print a dedicated pattern to the media and read by the sensor mounted on the carriage to adjust automatically:

- Dot position (Dot jetting position at the bi-direction)
- Feeding amount (Media feeding amount)

Improper dot position

Overlap/Black streaks (Insufficient feeding amount)

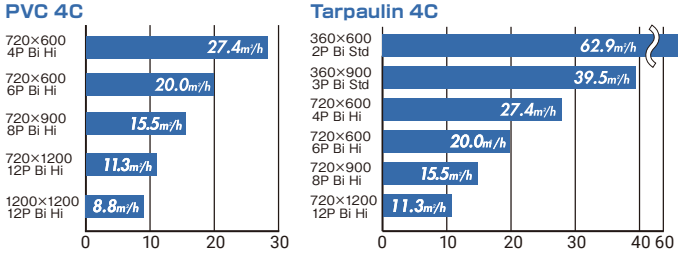
Gap/White streaks (Excessive feeding amount)

Proper dot position and feeding amount

High productivity supported by high-quality functions

Print speed *High Speed 720x600 dpi*

Glossy PVC 20.0 m²/h Tarpaulin 27.4 m²/h



Prints out 180% faster than JV150 *

* Comparison of print speed at 6 pass (media : PVC、Y resolution : 720dpi)

JV100-160: 20.0 m²/h
JV150-160: 11.1 m²/h

Beautiful×Speedy×Eco-friendly
Eco-solvent ink of well-balanced in every respect

Mimaki's newly developed Eco-sol ink CS250 NEW!

The CS250 boasts excellent safety and high quality, which is evaluated by waveform created by a printer manufacturer. One of the features is upgraded drying property.

It evaporates quickly after printing and print-outs dry much faster, which prevents blocking and enables reproducing in detail even images that need a lot of ink.

The CS250 is contained in one-liter bottle that allows prolonged operation. it is a green product that abates odor for a better operating environment.

Mimaki Green Technology

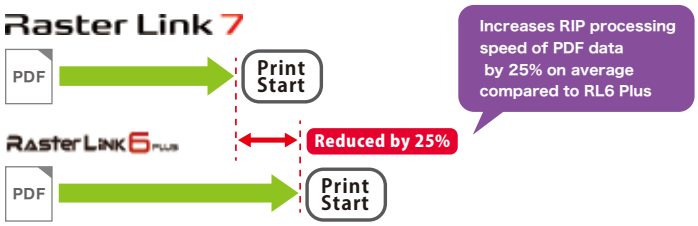
Raster Link 7

- Improves reproducibility of special effects (such as transparency) of PDF data
- Increases RIP processing speed of PDF data by 25% on average
- Prints out the variable data by Variable print function
- Displays frequently used setting and pop-up windows

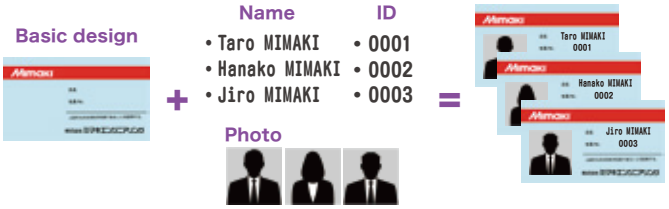
NEW! Supports operability and the fineness of print-outs

1 PDF data with a lot of special effects embedded

2 Increases RIP processing speed of PDF data by 25% on average



3 Variable print function



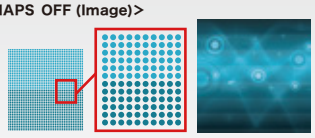
4 Easy-to-check displays

Achieves HIGH QUALITY in image quality, functionality, and productivity

"MAPS4" supported
(Mimaki Advanced Pass System)
Banding reduction function

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.

<MAPS OFF (Image)>



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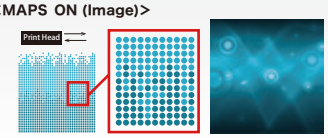
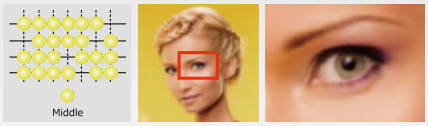


Based on printing conditions such as media/ink type and resolution, the most suitable gradation pattern is automatically selected and printed.

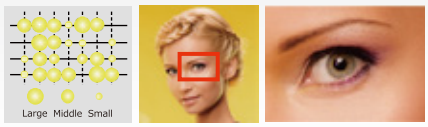
Minimum ink size 4pl
Beautiful print of less granularity feeling

Three different ink dot sizes are used in printing to enable high-quality print with reduced granular feeling.

<Normal dots>



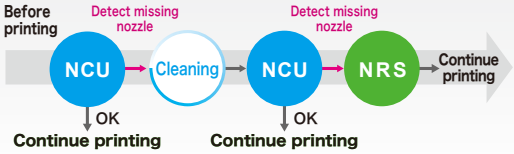
<Variable dots>



Dots are combined with the minimum size of 4pl to enable smooth color printing with less granular feeling.

NCU/NRS
employed to monitor missing nozzles

The sensor automatically detects the condition of nozzles. When the NCU (Nozzle Check Unit) detects a missing nozzle, it automatically performs cleaning. If there is a nozzle problem left unsolved by the cleaning, NRS (Nozzle Recovery System) automatically replaces the defective nozzles with other nozzles, and enables users to continue their operation without waiting for service personnel.



■ Specifications

Item		JV100-160
Print head		On-demand piezo head (2 staggered layout)
Printing resolution		360 dpi, 600 dpi, 720 dpi, 900 dpi, 1200 dpi
Ink type		Eco-solvent ink CS250
Ink set		CMYK
Ink capacity		1L bottle
Maximum drawing range		1,610 mm (63.1 in)
Media	Maximum width	1,620 mm (63.8 in)
	Thickness	1 mm or lower
	Roll diameter	φ250 mm or less
	Roll weight	45 kg (99 lb) or less
	Roll inside diameter	2/3 in
Interface		USB2.0 / Ethernet 1000BASE-T
Power		Single-phase AC100-120 / 200-240V±10%, 50/60Hz±1Hz
Operational environement		Temperature:20-30degC(68-86 degF) Humidity:35-65%Rh(without condensation)
Dimensions (W x D x H)		2,775 x 700 x 1,392mm (109 x 28 x 55 in)
Weight		166 kg (366 lb)

■ Supplies

Item	Color	Item code	Remark
Eco-solvent ink CS250	Cyan	CS250-C-BA	1 L bottle
	Magenta	CS250-M-BA	
	Yellow	CS250-Y-BA	
	Black	CS250-K-BA	
Maintenance liquid 14		ML014-Z-BA	

●Some examples shown in this catalogue are artificial renderings. ●Specifications, designs and dimensions shown in this catalogue may be subject to change without notice for technical improvements.●The corporate and merchandise names in this catalogue are the trademarks or registered trademarks of the respective corporations. ●Inkjet printers use extremely fine dots, so colors may vary slightly after replacement of print heads. ●Also note that when using multiple printer units, colors could vary slightly from one unit to another due to slight individual differences.●Please note that descriptions and data in this catalogue are as of Novermber 2020.

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