



NEW! Supports operability and the fineness of print-outs

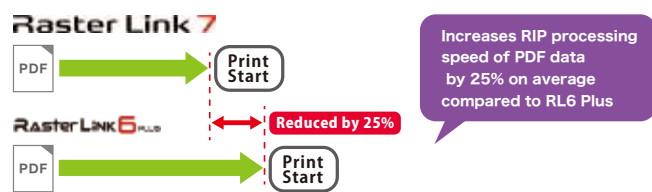
1 PDF data with a lot of special effects embedded



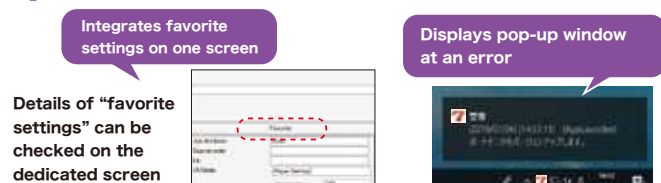
3 Variable print function



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



4 Easy-to-check displays



Print speed

PVC 4C				PVC 8C				Tarpaulin 4C				Tarpaulin 8C			
Print mode		Print speed(ml/h)		Print mode		Print speed(ml/h)		Print mode		Print speed(ml/h)		Print mode		Print speed(ml/h)	
Draft	720×600 4P	Bi Hi	27.4	Draft	720×600 4P	Bi Hi	13.7	Super Draft	300×600 2P	Bi Std	62.9	Super Draft	360×600 2P	Bi Std	31.5
High Speed	720×600 6P	Bi Hi	20.0	High Speed	720×600 6P	Bi Hi	10.0	Draft	300×900 3P	Bi Std	39.5	Draft	300×900 3P	Bi Std	19.7
Standard ①	720×900 8P	Bi Hi	15.5	Standard ①	720×900 8P	Bi Hi	8.4	High Speed	720×600 4P	Bi Hi	27.4	High Speed	720×600 4P	Bi Hi	13.7
Standard ②	720×1200 12P	Bi Hi	11.3	Standard ②	720×1200 16P	Bi Hi	5.0	Standard ①	720×600 6P	Bi Hi	20.0	Standard ①	720×600 6P	Bi Hi	10.0
High Quality	1200×1200 12P	Bi Hi	8.8	High Quality	1200×1200 16P	Bi Hi	3.3	Standard ②	720×900 8P	Bi Hi	15.5	Standard ②	720×900 8P	Bi Hi	8.4
High Quality	1200×1200 12P	Bi Hi	8.8	High Quality	1200×1200 16P	Bi Hi	3.3	High Quality	720×1200 12P	Bi Hi	11.3	High Quality	720×1200 12P	Bi Hi	5.6

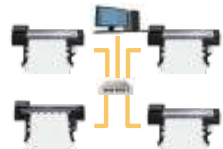
Specifications

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/Color	Eco-solvent ink AS5/SS21 (C,M,Y,K,Lc,Lm,Or,Lk)
	Capacity	600 ml / 2L ink pack
Maximum drawing		1,610 mm (63 in)
Media	Maximum width	1,620 mm (64 in)
	Thickness	1 mm or lower
	Roll diameter	φ250 mm or less
	Roll weight	45kg (99 lb) or less
Interface		USB2.0 / Ethernet 1000BASE-T
Power		Single-phase (AC100-120V±10% / AC200-240V±10%) x2, (50/60Hz±1Hz) x2
Power consumption		AC100V:1.44 kw x2 or less/AC200V:1.92 kw x2 or less
Operational environment		Temperature: 20-30 degC (68-86 degF) Humidity: 35-65%Rh (without condensation)
Dimensions (WxDxH)		2,775 x 700 x 1,392 mm (109 x 28 x 55 in)
Main unit weight		166 kg (366 lb)

Ethernet supported!

Creata free and efficient working environment

Ex.
Print data editing on an office PC to send the data to print directly to a printer at the work site



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For
SIGN
GRAPHICS

Roll to Roll Eco-solvent Inkjet Printer

JV100-160



Expert printing made easy.



Mimaki
Green Technology



JV100-160 Expert printing made easy.

The JV100-160 is a new inkjet printer designed based on Mimaki's "high image quality" and "reliability" technology, an expert in inkjet printers for sign graphics, with an emphasis on ease of use and high operability. All the superior technologies mounted to the JV100-160, such as a new function of DAS that automatically makes adjustments when changing media, the new RasterLink7 RIP software that makes work faster and significantly reduces processing time, and the newly developed AS5 ink with high drying performance will back up your business.

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

UP!

NEW! Function for the high image quality UP!

DAS

Auto-adjustment of dot position and media feed amount correction by printer

NEW! Speed UP!

Faster print of high-quality images

27.4 m²/h

Print mode:
by 4C 720×600 dpi
(Tarpaulin)

NEW! Drying property UP!

New type Eco-sol ink

Mimaki original

AS5

NEW! Reproducibility Ease of use UP!

Mimaki original RIP



NEW! DAS (Dot Adjustment System)

Reduces the load of media adjustment for each media exchange and leads to beautiful prints

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

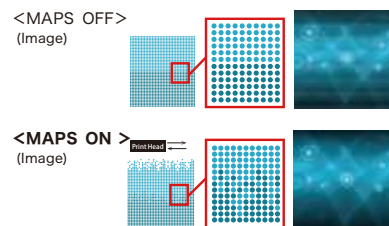
MAPS4

NCU/NRS

Long-standing reliable technology to achieve high image quality by Mimaki of Sign graphics expert

“MAPS4” supported (Mimaki Advanced Pass System) Banding reduction function

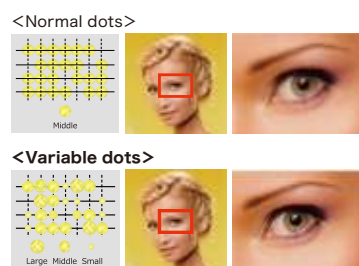
By printing the border of the path in a gradation tone, banding (horizontal stripes), uneven color, and glossy stripes are reduced to achieve smooth printing.



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

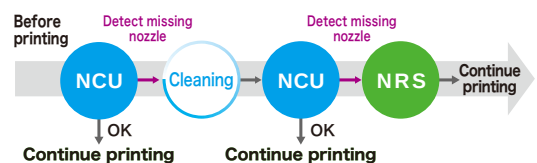
Three different ink dot sizes are used in printing to enable high-quality print with reduced granular feeling.



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.



Print Speed

Possible to increase print jobs of short delivery times with reliable high-speed printing

Print Speed High-speed mode: 720×600 dpi

Glossy PVC 20.0 m²/h Tarpaulin 27.4 m²/h

Prints out 180% faster than JV150*



*Comparison at 6 pass 4-Color printing at the similar resolution range as JV150

PVC



8C



Tarpaulin



8C



Ink

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

NEW! Mimaki's newly developed Eco-sol ink AS5

The AS5 is Mimaki's newly developed ink with high quality and safety which features high drying properties.

Since the ink evaporates quickly after printing, it prevents blocking during winding and reproduces the details perfectly without impairing the detailed depiction in images with a large amount of ink.



Mimaki's reliable & long-seller, SS21 ink can be installed.

Either 4C or 8C of AS5 or SS21 ink can be installed and the 8C ink set consists of CMYKcLm plus Light black and Orange, which enables extremely beautiful and vivid color expression and sharp, high-definition printing. By using Light black, it is possible to faithfully reproduce monochrome data without color transfer on a gray scale, human skin without graininess, and gradation expression without tone jump.

Color comparison



"Eco-Cartridge", an eco-friendly reusable ink cartridge is prepared for AS5 and SS21 ink.

The "Eco Cartridge" is a reusable plastic case to be able to replace an internal ink pack. It aims to lighten the burden on the environment by reducing plastic waste.



The SS21 gained the certification of "GREEN GUARD Gold", based on most strict global standard of chemical substance diffusion. It assures the product property conforms to schools and medical facilities. This ink minimizes the emission of chemical substances in the indoor space and reduces the burden on the global environment.

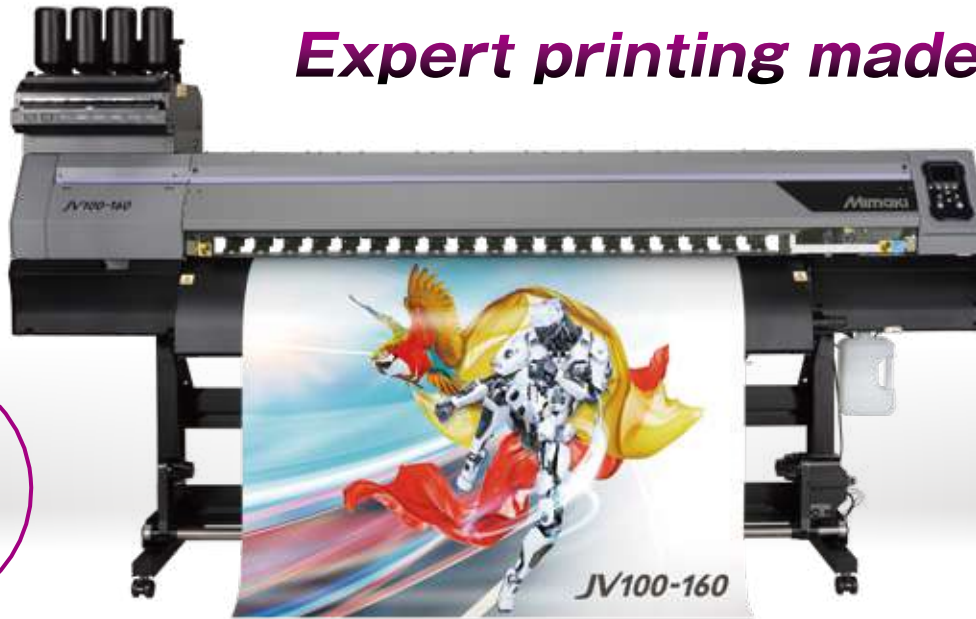


JV100-160

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



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).

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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)

With DAS

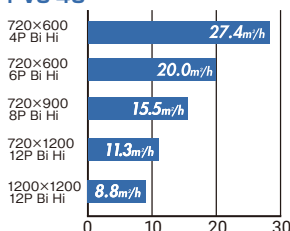
Proper dot position and feeding amount

High productivity supported
by high-quality functions

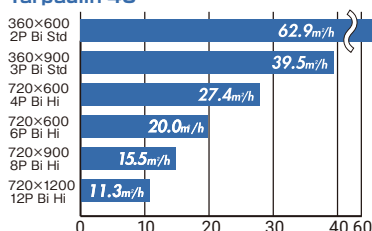
Print speed High Speed 720x600 dpi

Glossy PVC 20.0 m²/h Tarpaulin 27.4 m²/h

PVC 4C



Tarpaulin 4C



Prints out 180% faster than JV150 *

* Comparison of print speed at 6 pass JV100-160: 20.0 m²/h
(media : PVC, Y resolution : 720dpi) JV150-160: 11.1 m²/h

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



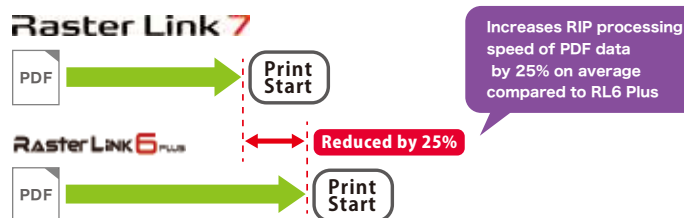
NEW! Supports operability and the fineness of print-outs

- 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

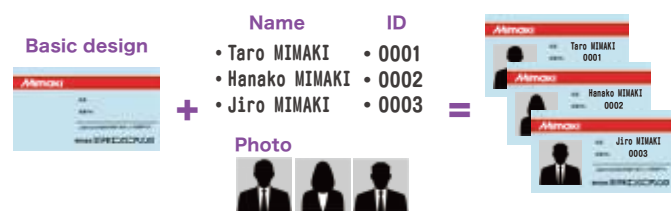
1 PDF data with a lot of special effects embedded



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



3 Variable print function



4 Easy-to-check displays

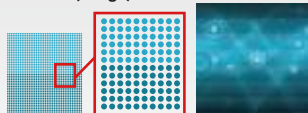


Achieves HIGH QUALITY in image quality, functionality, and productivity

“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)>



<MAPS ON (Image)>

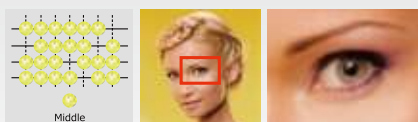


Based on printing conditions such as media/ink type and resolution, the most suitable gradation pattern is automatically selected and printed.

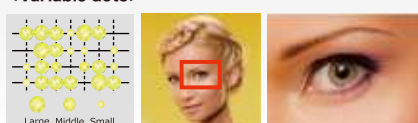
Minimum ink size 4pl Beautiful print of less granularity feeling

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

<Normal dots>



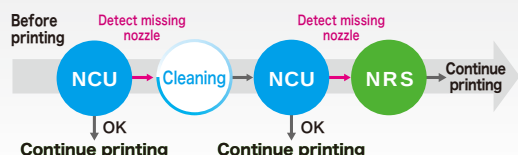
<Variable dots>



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

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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 environment		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	

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