

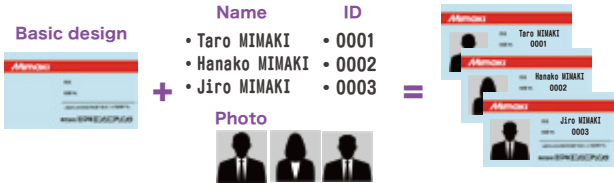


NEW! Supports operability and the fineness of print-outs

1 PDF data with a lot of special effects embedded



3 Variable print function



Print speed

PVC 4C			PVC 8C			Tarpaulin 4C			Tarpaulin 8C		
Print mode			Print mode			Print mode			Print mode		
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
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
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
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
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
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

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



●Some examples shown in this catalog are artificial renderings. ●Specifications, designs and dimensions shown in this catalog may be subject to change without notice for technical improvements. ●The corporate and merchandise names in this catalog 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 catalog are as of December 2020.



MIMAKI ENGINEERING CO., LTD.
2182-3 Shigeno-otsu, Tomi-city, Nagano 389-0512, Japan
Tel. +81-268-64-2281

Mimaki Global Network

USA MIMAKI USA, INC.
Brazil MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA
India MIMAKI INDIA PRIVATE LIMITED
Taiwan MIMAKI ENGINEERING (TAIWAN) CO.,LTD.
Singapore MIMAKI SINGAPORE PTE. LTD.

Europe MIMAKI EUROPE B.V.
Indonesia PT. MIMAKI INDONESIA
Australia MIMAKI AUSTRALIA PTY. LTD.
China SHANGHAI MIMAKI TRADING CO.,LTD.
Thailand MIMAKI (THAILAND) CO.,LTD.

For
SIGN
GRAPHICS

Roll to Roll Eco-solvent Inkjet Printer

JV100-160



Expert printing made easy.



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

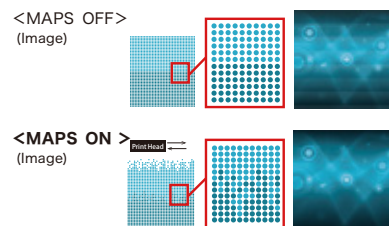
MAPS4

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

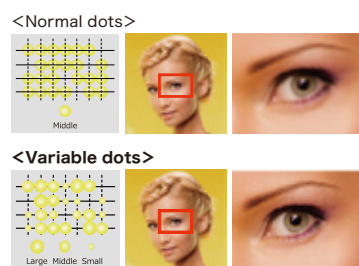
By printing the border of the path in a gradation tone, banding (horizontal stripes), uneven color, and glossy stripes are reduced to achieve smooth printing.



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

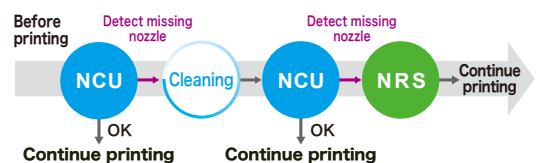
Three different ink dot sizes are used in printing to enable high-quality print with reduced granular feeling.



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*

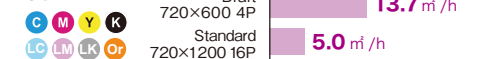


*Comparison at 6 pass 4-Color printing at the similar resolution range as JV150

PVC



8C



Tarpaulin



8C



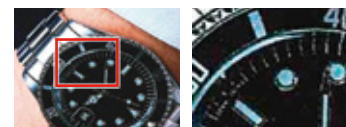
Ink

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 CMYKLCm 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.

