

Raster Link 7



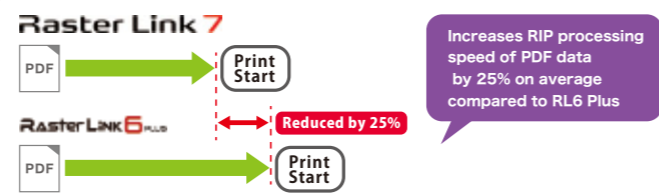
NEW! Supports operability and the fineness of print-outs

- 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



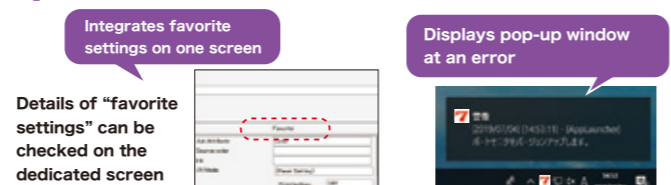
2 Increases RIP processing speed of PDF data by 25% on average



3 Variable print function



4 Easy-to-check displays



Print speed

| PVC 4C | | | PVC 8C | | | Tarpaulin 4C | | | Tarpaulin 8C | | |
|--------------|------------------|-------|------------|------------------|---------------|--------------|------------------|--------------|--------------|------------------|------|
| Print mode | Print speed(m/h) | | Print mode | Print speed(m/h) | | Print mode | Print speed(m/h) | | Print mode | Print speed(m/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 |
| 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 | 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 |
| | Capacity |
| Maximum drawing | 1,610 mm (63 in) |
| Media | Maximum width |
| | Thickness |
| | Roll diameter |
| | Roll weight |
| 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!

Create a 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



Supplies

| Item | Color | Item code | Remarks | |
|--|---------------|------------|--|-------------|
| Eco-solvent ink SS21 GREENGUARD Gold certified ink | Cyan | SS21-C-60 | 600ml Ink pack | |
| | Magenta | SS21-M-60 | | |
| | Yellow | SS21-Y-60 | | |
| | Black | SS21-K-60 | | |
| | Light Cyan | SS21-LC-60 | | |
| | Light Magenta | SS21-LM-60 | | |
| | Orange | SS21-OR-60 | | |
| | Light Black | SS21-LK-60 | | |
| | Cyan | SPC-0588C | | 2L Ink pack |
| | Magenta | SPC-0588M | | |
| | Yellow | SPC-0588Y | | |
| | Black | SPC-0588K | | |
| | Light Cyan | SPC-0588LC | | |
| | Light Magenta | SPC-0588LM | | |
| Orange | SPC-0588OR | | | |
| Light Black | SPC-0588Lk | | | |
| Eco-solvent ink AS5 | Cyan | AS5-C-60 | 600ml Ink pack | |
| | Magenta | AS5-M-60 | | |
| | Yellow | AS5-Y-60 | | |
| | Black | AS5-K-60 | | |
| | Light Cyan | AS5-LC-60 | | |
| | Light Magenta | AS5-LM-60 | | |
| | Orange | AS5-OR-60 | | |
| | Light Black | AS5-LK-60 | | |
| | Cyan | AS5-C-2L | | 2L Ink pack |
| | Magenta | AS5-M-2L | | |
| Yellow | AS5-Y-2L | | | |
| Black | AS5-K-2L | | | |
| Light Cyan | AS5-LC-2L | | | |
| Light Magenta | AS5-LM-2L | | | |
| Orange | AS5-OR-2L | | | |
| Light Black | AS5-LK-2L | | | |
| MS Cleaning cartridge | | SPC-0294 | 220ml Ink cartridge | |
| MBIS(Mimaki Bulk Ink System) III | | OPT-J0364 | Ecocase, Mid cartridge, Tube (8pcs/each) | |

GREENGUARD Gold: Applicable products to this "GREENGUARD Gold certification" are acceptable for use in environments such as schools and medical facilities based on the most strict global standard of chemical substance diffusion. The MBIS III is required for using 2L ink pack.

For
SIGN
GRAPHICS

Roll to Roll Eco-solvent Inkjet Printer

JV100-160



Expert printing made easy.



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.



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Lagja Kalabria pn, 10000 Priština, tel: +383 38 602080, 45 600641, e-mail: info@stgraf-ks.com
Gorno Lisiče 210, 1000 Skoplje, tel: +389 2 3245777, 78 279756, e-mail: office@stgraf.mk



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 720x600 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.



Improper dot position



Overlap/Black streaks (Insufficient feeding amount)



Gap/White streaks (Excessive feeding amount)



Proper dot position and feeding amount

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)

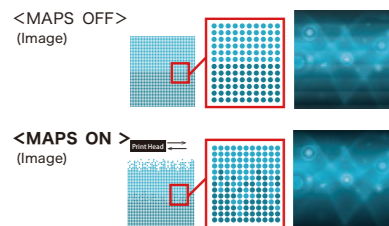
MAPS4

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

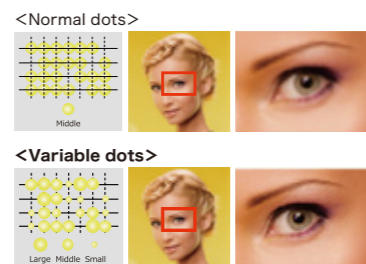
By printing the border of the path in a gradation tone, banding (horizontal stripes), uneven color, and glossy stripes are reduced to achieve smooth printing.



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

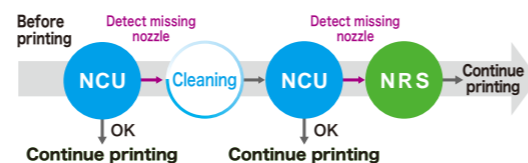
Three different ink dot sizes are used in printing to enable high-quality print with reduced granular feeling.



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

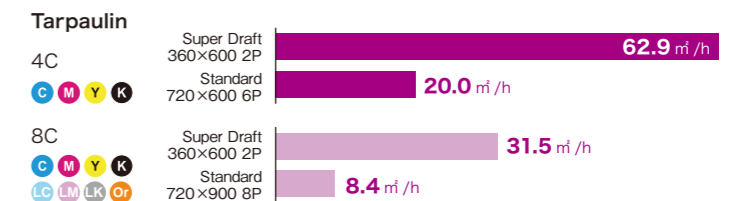
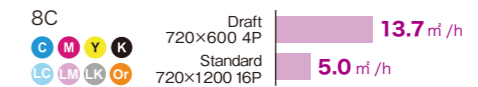
Print Speed High-speed mode: 720x600 dpi

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



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.

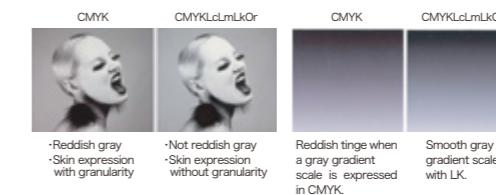
Since the ink evaporates quickly after printing, it prevents blocking during winding and reproduces the details perfectly without impairing the detailed depiction in images with a large amount of ink.



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



Reddish gray
Skin expression with granularity

Not reddish gray
Skin expression without granularity

Reddish tinge when a gray gradient scale is expressed in CMYK

Smooth gray gradient scale with LK

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

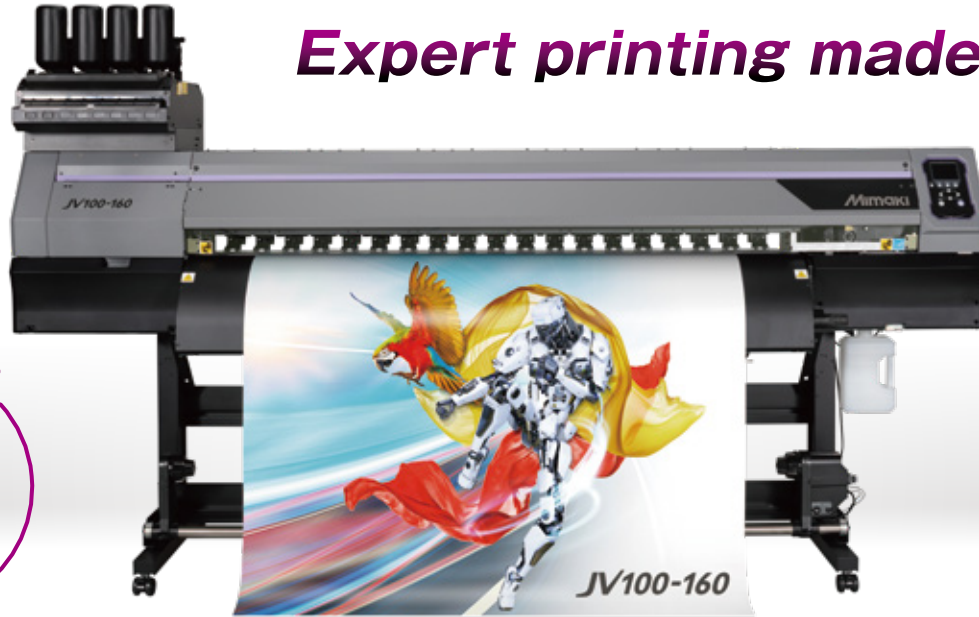
The "Eco Cartridge" is a reusable plastic case to be able to replace an internal ink pack. It aims to lighten the burden on the environment by reducing plastic waste.



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.



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.

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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:

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With DAS

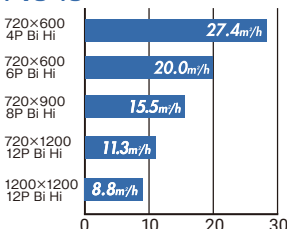
Proper dot position and feeding amount

High productivity supported by high-quality functions

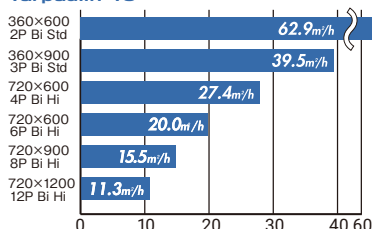
Print speed High Speed 720x600 dpi

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 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.



Raster Link 7



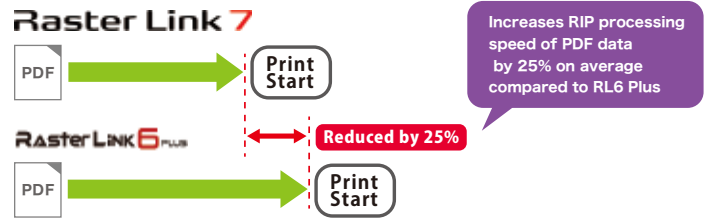
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- Increases RIP processing speed of PDF data by 25% on average
- Prints out the variable data by Variable print function
- Displays frequently used setting and pop-up windows

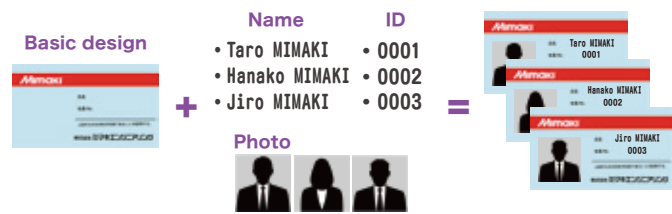
1 PDF data with a lot of special effects embedded



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



3 Variable print function



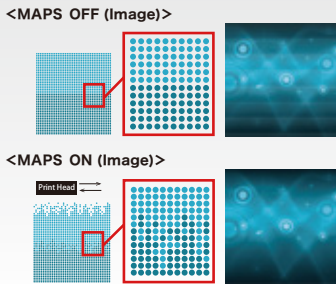
4 Easy-to-check displays



Achieves HIGH QUALITY in image quality, functionality, and productivity

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

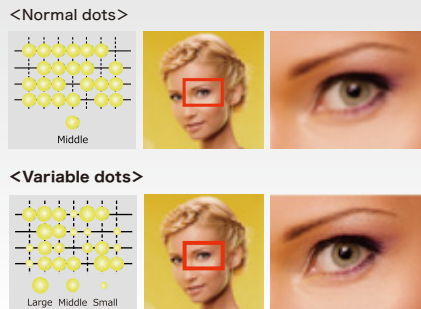
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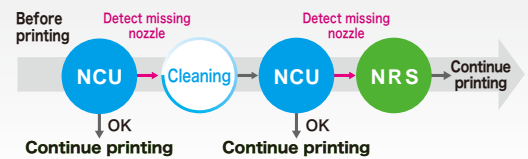
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NCU/NRS employed to monitor missing nozzles

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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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