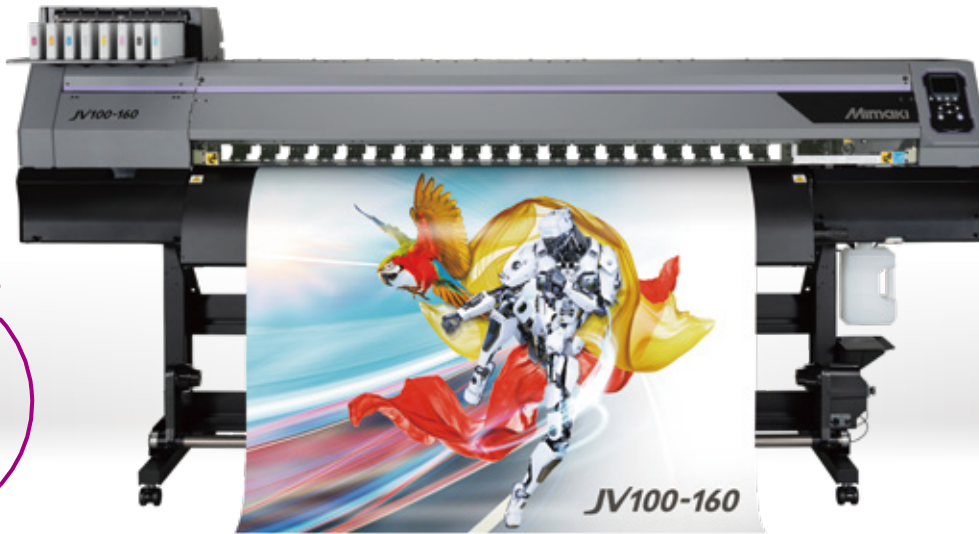# Expert printing made easy

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

UP!

JV100-160

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 ㎡/h
(294.93 sqft/h)

4C 720x600 dpi 4P
(For Banner)

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)

With DAS

Proper dot position and feeding amount

High productivity supported by high quality functions
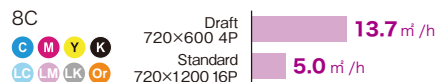
Print Speed High-speed mode: 720x600 dpi

Glossy PVC 20.0 ㎡/h   Tarpaulin 27.4 ㎡/h

Prints out 180% faster than JV150*

JV100-160	720×600 6P Bi Hi	20.0㎡/h
JV150-160	720×720 6P Bi Hi	11.1㎡/h 180%

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

PVC

4C (C M Y K)
- Draft 720×600 4P — **27.4** ㎡/h
- Standard 720×900 8P — **15.5** ㎡/h

8C (C M Y K / LC LM LK Or)
- Draft 720×600 4P — **13.7** ㎡/h
- Standard 720×1200 16P — **5.0** ㎡/h

Tarpaulin

4C (C M Y K)
- Super Draft 360×600 2P — **62.9** ㎡/h
- Standard 720×600 6P — **20.0** ㎡/h

8C (C M Y K / LC LM LK Or)
- Super Draft 360×600 2P — **31.5** ㎡/h
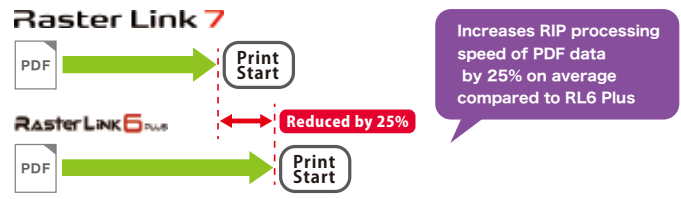- Standard 720×900 8P — **8.4** ㎡/h

Raster Link 7

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
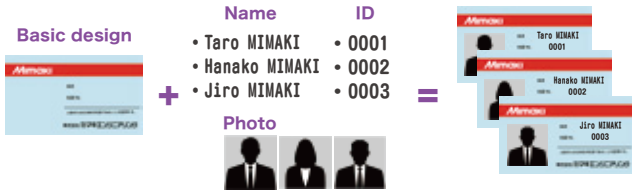‖ Displays frequently used setting and pop-up windows

1 PDF data with a lot of special effects embedded

PDF — Transparency
PDF — Gradations

Raster Link 7

Processes and prints out precisely without any problem

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

Raster Link 7
PDF → Print Start

Raster Link 6 PLUS
PDF → Print Start
Reduced by 25%

Increases RIP processing speed of PDF data by 25% on average compared to RL6 Plus

3 Variable print function

Basic design

Name	ID
• Taro MIMAKI	• 0001
• Hanako MIMAKI	• 0002
• Jiro MIMAKI	• 0003

Photo

= Taro MIMAKI 0001 / Hanako MIMAKI 0002 / Jiro MIMAKI 0003

4 Easy-to-check displays

Integrates favorite settings on one screen

Details of "favorite settings" can be checked on the dedicated screen

Displays pop-up window at an error

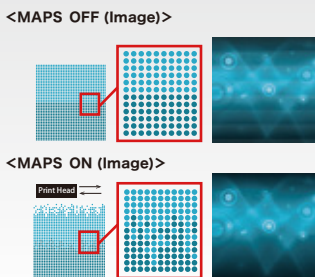
Achieves HIGH QUALITY in image quality, functionality, and productivity

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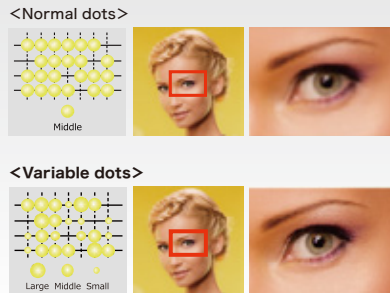### Banding reduction function

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)>
Print Head

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
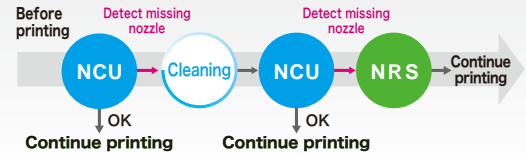### Beautiful print of less granularity feeling

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

<Normal dots>
Middle

<Variable dots>
Large Middle Small

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.

Before printing → NCU → Detect missing nozzle → Cleaning → NCU → Detect missing nozzle → NRS → Continue printing
OK → Continue printing
OK → Continue printing

■ 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 SS21(C,M,Y,K,Lc,Lm,Lk,Or) BS4(C,M,Y,K)
	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)

■ Supplies

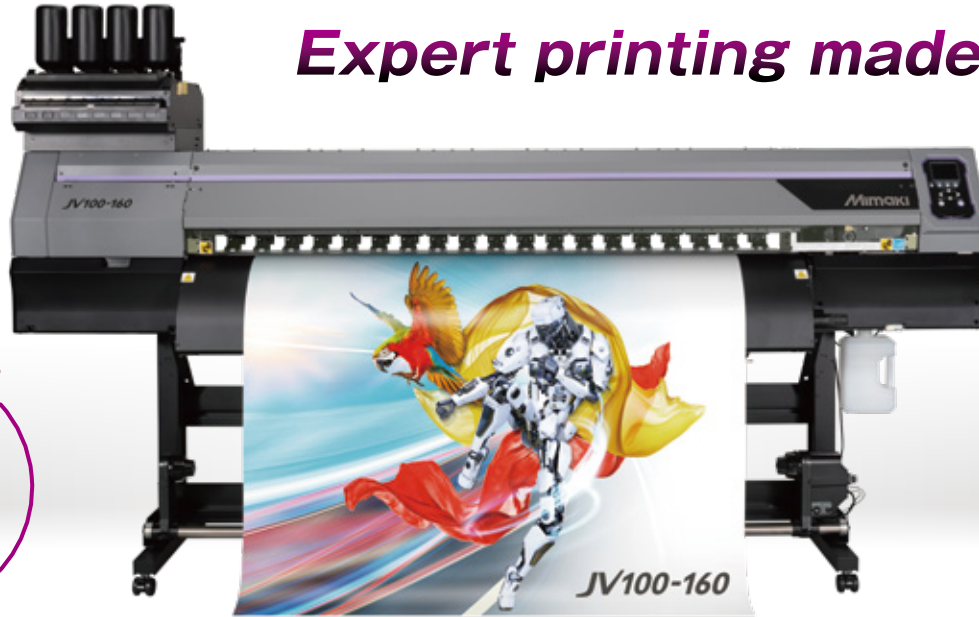| Item	Color	Item code	Remarks
Eco-solvent ink SS21 GREENGUARD Gold certificated ink	Cyan	SS21-C-60	600ml Ink pack
	Magenta	SS21-M-60	
	Yellow	SS21-Y-60	
	Black	SS21-K-60	
	Lignt Cyan	SS21-LC-60	
	Light Magenta	SS21-LM-60	
	Orange	SS21-OR-60	
	Light Black	SS21-LK-60	
	Cyan	SPC-0588C	2L Ink pack
	Magenta	SPC-0588M	
	Yellow	SPC-0588Y	
	Black	SPC-0588K	
	Lignt Cyan	SPC-0588LC	
	Light Magenta	SPC-0588LM	
	Orange	SPC-0588Or	
	Light Black	SPC-0588Lk	
BS4	Cyan	BS4-C-60	600ml Ink pack
	Magenta	BS4-M-60	
	Yellow	BS4-Y-60	
	Black	BS4-K-60	
	Cyan	BS4-C-2L	2L Ink pack
	Magenta	BS4-M-2L	
	Yellow	BS4-Y-2L	
	Black	BS4-K-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.

Expert printing made easy

JV100-160

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 ㎡ /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)
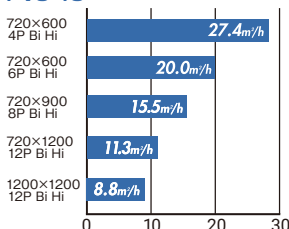
Gap/White streaks
(Excessive feeding amount)

With DAS

Proper dot position and feeding amount

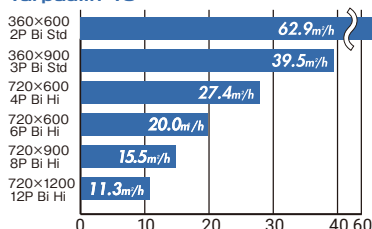### High productivity supported by high-quality functions

▍Print speed   High Speed 720x600 dpi

Glossy PVC 20.0 ㎡ /h   **Tarpaulin 27.4** ㎡ /h

PVC 4C

720×600 4P Bi Hi	27.4㎡/h
720×600 6P Bi Hi	20.0㎡/h
720×900 8P Bi Hi	15.5㎡/h
720×1200 12P Bi Hi	11.3㎡/h
1200×1200 12P Bi Hi	8.8㎡/h

0　10　20　30

Tarpaulin 4C

360×600 2P Bi Std	62.9㎡/h
360×900 3P Bi Std	39.5㎡/h
720×600 4P Bi Hi	27.4㎡/h
720×600 6P Bi Hi	20.0㎡/h
720×900 8P Bi Hi	15.5㎡/h
720×1200 12P Bi Hi	11.3㎡/h

0　10　20　30　40 60

▍Prints out 180% faster than JV150 *

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

JV100-160：20.0 ㎡/h
JV150-160：11.1 ㎡/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.
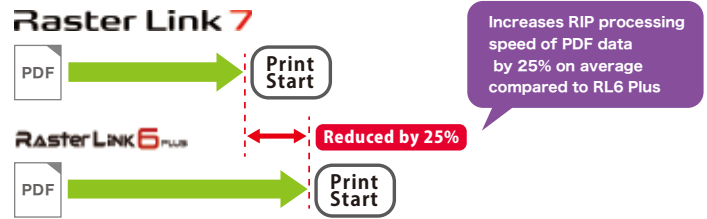
Mimaki
Green Technology

Raster Link 7

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
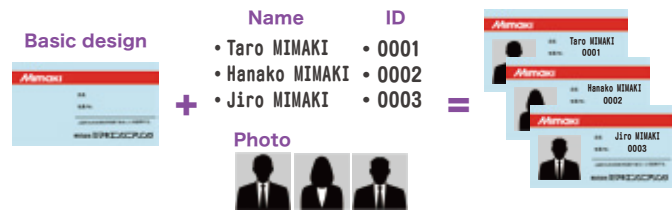‖ Displays frequently used setting and pop-up windows

① PDF data with a lot of special effects embedded

PDF — Transparency
PDF — Gradations

Processes and prints out precisely without any problem

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

Raster Link 7
PDF → Print Start

Raster Link 6 PLUS
PDF → Print Start

Reduced by 25%

Increases RIP processing speed of PDF data by 25% on average compared to RL6 Plus

③ Variable print function

Basic design

Name	ID
• Taro MIMAKI	• 0001
• Hanako MIMAKI	• 0002
• Jiro MIMAKI	• 0003

Photo

= Taro MIMAKI 0001 / Hanako MIMAKI 0002 / Jiro MIMAKI 0003

④ Easy-to-check displays

Integrates favorite settings on one screen

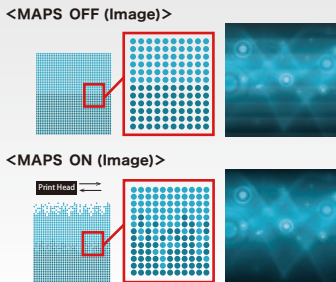Details of "favorite settings" can be checked on the dedicated screen

Displays pop-up window at an error

Achieves HIGH QUALITY in image quality, functionality, and productivity

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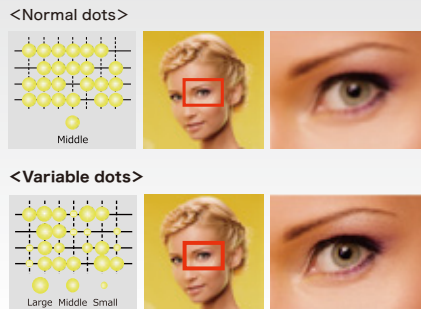### Banding reduction function

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)>
Print Head

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
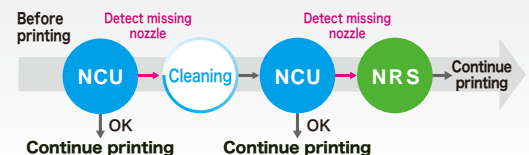### Beautiful print of less granularity feeling

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

<Normal dots>
Middle

<Variable dots>
Large Middle Small

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.

Before printing
Detect missing nozzle
NCU → Cleaning → NCU → NRS → Continue printing
OK Continue printing   OK Continue printing

■ 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)
Media — Thickness	1 mm or lower
Media — Roll diameter	φ 250 mm or less
Media — Roll weight	45 kg (99 lb) or less
Media — 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.