

Raster Link 7



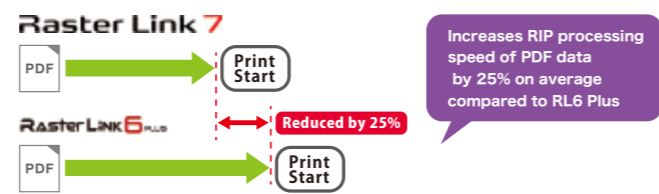
Combination of upgraded usability and functionality

- 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

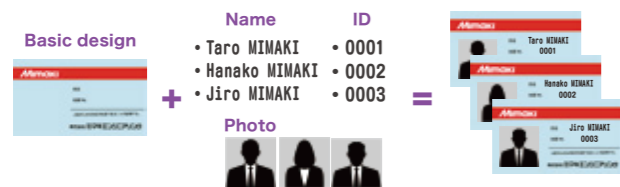
1 PDF data with a lot of special effects embedded



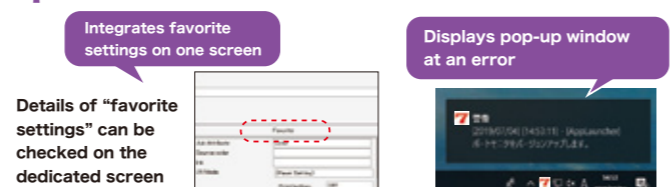
2 Increases RIP processing speed of PDF data by 25% on average



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: 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!

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			
Eco-solvent ink AS5	Light Black	SPC-0588Lk	600ml Ink pack	
	Cyan	AS5-C-60		
	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			
Maintenacne Liquid14	ML014-Z-22		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.

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DB10372-02

For
SIGN
GRAPHICS

Roll to Roll Eco-solvent Inkjet Printer

JV100-160

Mimaki™

Expert printing made easy.



DUPLI DATA

NUMÉRIQUEMENT VOTRE

www.dupli-data.fr

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



Function for the high image quality **UP!**

DAS

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

Speed **UP!**

Faster print of high-quality images

27.4 m²/h

Print mode: by 4C 720x600 dpi (Tarpaulin)

Drying property **UP!**

New type Eco-sol ink Mimaki original **AS5**

Reproducibility Ease of use **UP!**

Mimaki original RIP



DAS (Dot Adjustment System)

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

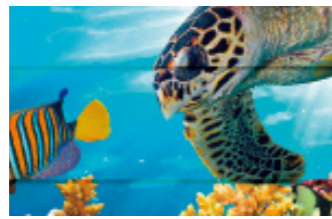
The function to adjust automatically the dot position and the feed amount that affect print quality as the standard equipment.

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)

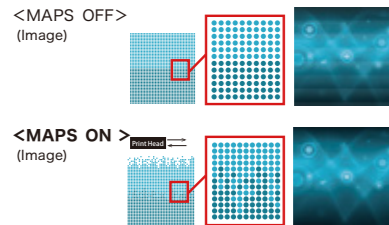
MAPS4

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

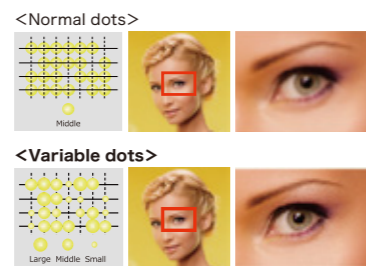
By printing the border of the path in a gradation tone, banding (horizontal stripes), uneven color, and glossy stripes are reduced to achieve smooth printing.



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

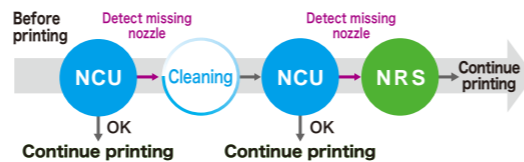
Three different ink dot sizes are used in printing to enable high-quality print with reduced granular feeling.



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

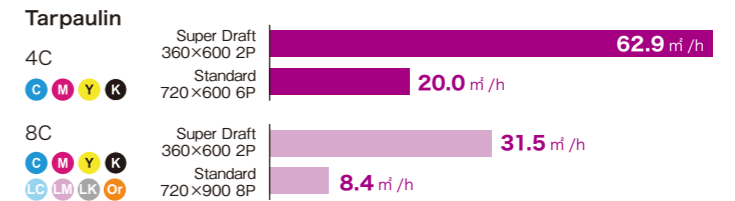
Print Speed High-speed mode: 720x600 dpi

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

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.

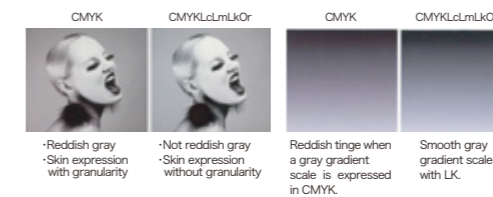


Mimaki's reliable & long-seller, SS21 ink can be installed.

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.

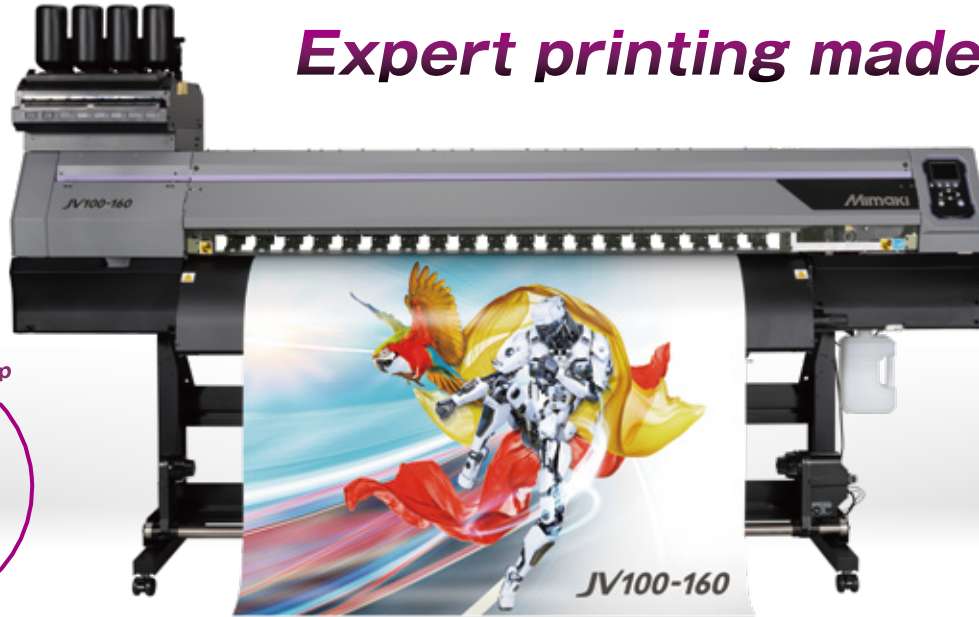
The "Eco Cartridge" is a reusable plastic case to be able to replace an internal ink pack. It aims to lighten the burden on the environment by reducing plastic waste.



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

UP!

Function for the high image quality **UP!**

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 Mimaki's Eco-solvent ink

CS250

Reproducibility of PDF data of special effect Software operability **UP!**

Mimaki's original RIP



Reliable new feature that achieves Mimaki quality

DAS (Dot Adjustment System)

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

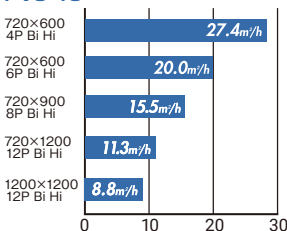
Proper dot position and feeding amount

High productivity supported by high-quality functions

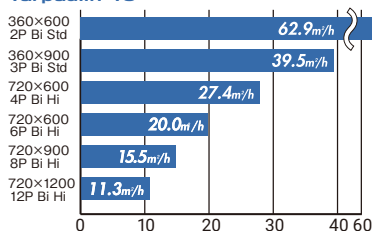
Print speed High Speed 720x600 dpi

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 respect

Mimaki's newly developed Eco-sol ink CS250

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



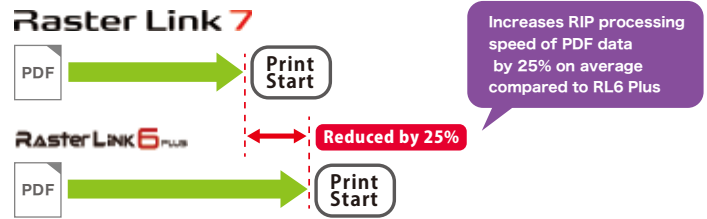
Combination of upgraded usability and functionality

- 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

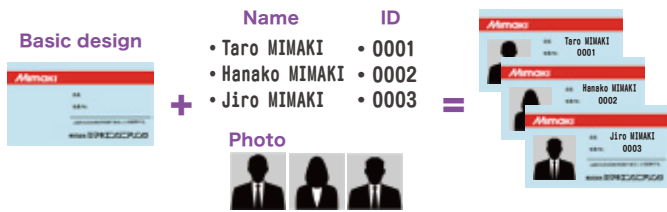
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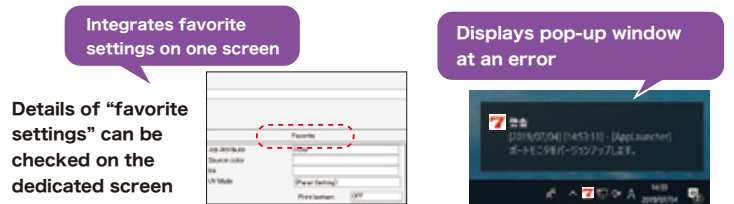
2 Increases RIP processing speed of PDF data by 25% on average



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)>

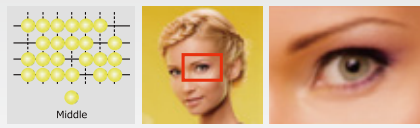


Based on printing conditions such as media/ink type and resolution, the most suitable gradation pattern is automatically selected and printed.

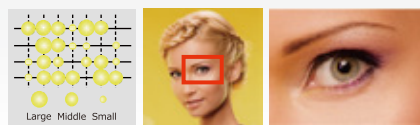
Minimum ink size 4pl Beautiful print of less granularity feeling

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

<Normal dots>



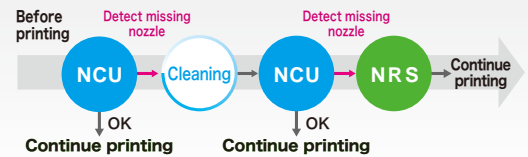
<Variable dots>



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

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 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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