

## JV100-160

Expert printing made easy

The 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 images27.4 m<sup>2</sup>/h  
(294.93 sqft/h)4C 720x600 dpi 4P  
(For Banner)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).

\*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 m<sup>2</sup>/h Tarpaulin 27.4 m<sup>2</sup>/h

Prints out 180% faster than JV150\*



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

## PVC

4C

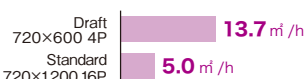
C M Y K



8C

C M Y K

LC LM LK Or



## Tarpaulin

4C

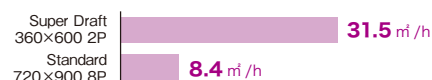
C M Y K



8C

C M Y K

LC LM LK Or



# Raster Link 7



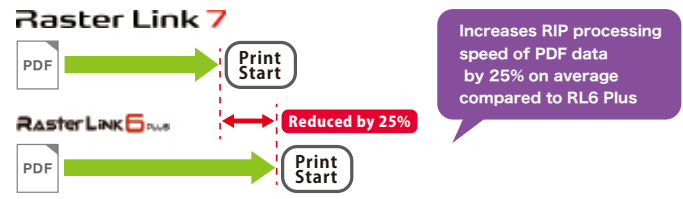
**Combination of upgraded usability and functionality**

- 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

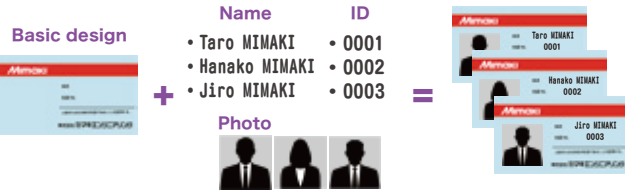
## 1 PDF data with a lot of special effects embedded



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



## 3 Variable print function



## 4 Easy-to-check displays



# Achieves HIGH QUALITY in image quality, functionality, and productivity

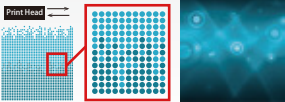
## "MAPS4" supported (Mimaki Advanced Pass System) Banding reduction function

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)>

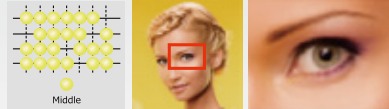


Based on printing conditions such as media/ink type and resolution, the most suitable gradation pattern is automatically selected and printed.

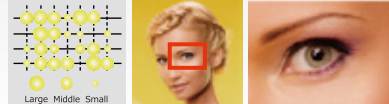
## Minimum ink size 4pl Beautiful print of less granularity feeling

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

### <Normal dots>



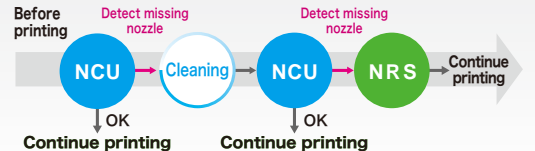
### <Variable dots>



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/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 $\phi$ 250 mm or less
	Roll weight 45kg (99 lb) or less
Interface	USB2.0 / Ethernet 1000BASE-T
Power	Single-phase (AC100-120V $\pm$ 10% / AC200-240V $\pm$ 10%) x2, (50/60Hz $\pm$ 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)

●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 July 2022.

## 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	2L Ink pack
	Cyan	SPC-0588C	
	Magenta	SPC-0588M	
	Yellow	SPC-0588Y	
	Black	SPC-0588K	
	Light 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	220ml Ink cartridge
Maintenance Liquid 14		ML014-Z-22	
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.

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

## Mimaki Global Network

USA	MIMAKI USA, INC.	Europe	MIMAKI EUROPE B.V.
Brazil	MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA	Indonesia	PT. MIMAKI INDONESIA
India	MIMAKI INDIA PRIVATE LIMITED	Australia	MIMAKI AUSTRALIA PTY. LTD.
Taiwan	MIMAKI ENGINEERING (TAIWAN) CO.,LTD.	China	SHANGHAI MIMAKI TRADING CO.,LTD.
Singapore	MIMAKI SINGAPORE PTE. LTD.	Thailand	MIMAKI (THAILAND) CO.,LTD.

## JV100-160

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 m<sup>2</sup>/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

## I 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: 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)

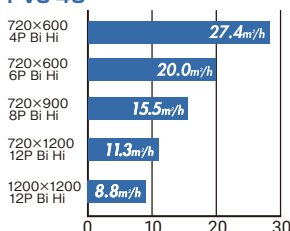
Proper dot position and feeding amount

High productivity supported  
by high-quality functions

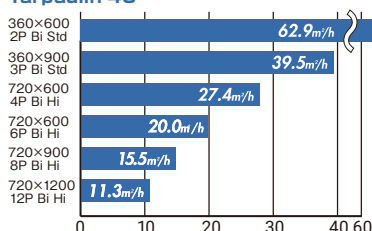
## I Print speed High Speed 720x600 dpi

Glossy PVC 20.0 m<sup>2</sup>/h Tarpaulin 27.4 m<sup>2</sup>/h

## PVC 4C



## Tarpaulin 4C



## II Prints out 180% faster than JV150 \*

\* Comparison of print speed at 6 pass JV100-160: 20.0 m<sup>2</sup>/h  
(media: PVC, Y resolution: 720dpi) JV150-160: 11.1 m<sup>2</sup>/h

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

## I 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.



Mimaki  
Green Technology

# Raster Link 7

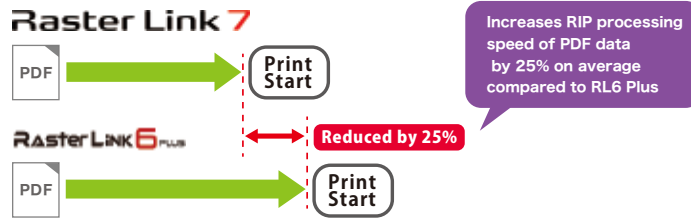


## Combination of upgraded usability and functionality

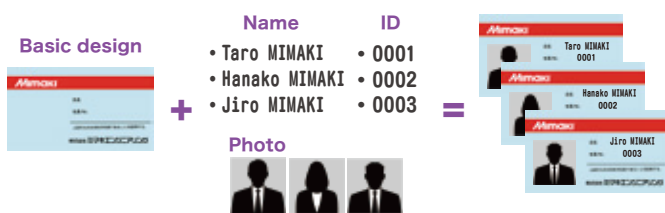
### 1 PDF data with a lot of special effects embedded



### 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

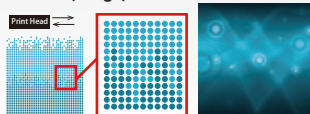
### “MAPS4” supported (Mimaki Advanced Pass System) Banding reduction function

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)>

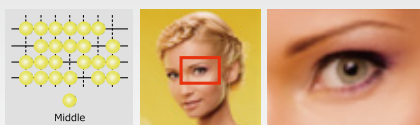


Based on printing conditions such as media/ink type and resolution, the most suitable gradation pattern is automatically selected and printed.

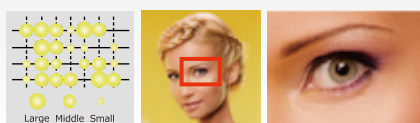
### Minimum ink size 4pl Beautiful print of less granularity feeling

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

#### <Normal dots>



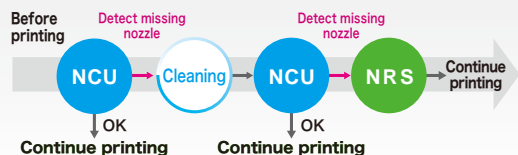
#### <Variable dots>



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

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	

●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 June 2022.

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

## Mimaki Global Network

USA	MIMAKI USA, INC.	Europe	MIMAKI EUROPE B.V.
Brazil	MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA	Indonesia	PT. MIMAKI INDONESIA
India	MIMAKI INDIA PRIVATE LIMITED	Australia	MIMAKI AUSTRALIA PTY. LTD.
Taiwan	MIMAKI ENGINEERING (TAIWAN) CO.,LTD.	China	SHANGHAI MIMAKI TRADING CO.,LTD.
Singapore	MIMAKI SINGAPORE PTE. LTD.	Thailand	MIMAKI (THAILAND) CO.,LTD.