



For  
SIGN  
GRAPHICS

Print & Cut Inkjet Printer  
equipped with silver ink

**Mimaki**

# CJV300Plus Series

## CJV300-130/160Plus

### Software

Newly upgraded RIP software with higher functionality and more user-friendliness

## Raster Link 6 PLUS

- Added useful functions
- ◆[C] Cut for consecutive cutting
  - ◆[M] Multi print for wider expressiveness
  - ◆[B] Braille print for easy operation of braille print
- PDF including transparent effect is applicable.
- ◆PDF data image with transparent effect is faithfully printable as the original.

### Specifications

Item	CJV300-130 Plus	CJV300-160 Plus
Printhead	On-demand piezo head (2 staggered printheads)	
Print resolution	360 dpi, 540 dpi, 720 dpi, 1080 dpi and 1440 dpi	
Maximum print width	1,361 mm (53.5 in)	1,610 mm (63.3 in)
Maximum media width	1,371 mm (53.9 in)	1,620 mm (63.7 in)
Ink	Type/Color (*1)	Eco-solvent · SS21 (C, M, Y, K, Lc, Lm, Lk, Or, W, Si) · ES3 (C, M, Y, K, Lc, Lm, W) · BS3 (C, M, Y, K) · BS4 (C, M, Y, K) Water-based sublimation ink · Sb54 (Bl, M, Y, K, Lbl, Lm)
	Package size (*2)	SS21: 440ml Ink cartridge, 600ml/2L Ink pack (White&silver: 220ml ink cartridge only) BS3/BS4: 600ml/2L Ink pack ES3: 440ml Ink cartridge (White: 220ml ink cartridge only) Sb54: 440ml Ink cartridge /2L Ink pack
Circulation system	MCT (Mimaki Circulation Technology) only applies white and silver inks	
Media thickness	1.0 mm or less	
Rolled media weight	45 kg (99.2 lb) or less	
Interface	USB 2.0/ Ethernet 1000BASE-T	
Power supply	Single-phase (AC 100-120V/ AC220-240V) x2 50Hz /60Hz ±1Hz	
Power consumption	1440W x 2 or less (AC100V) / 1920W x 2 or less (AC200V)	
Operational environment	Temperature: 20-30 °C (59-86 °F) Humidity: 35-65% Rh (Non condensing)	
Dimensions (W x D x H)	2,525 mm x 700 mm x 1,392 mm (99 in x 28 in x 55 in)	2,775 mm x 700 mm x 1,392 mm (109 in x 28 in x 55 in)
Weight	167 kg (370.4 lb)	178 kg (392.4 lb)

### Print speed

4C (CMYK)							
PVC				Banner			
Print mode	Speed (m <sup>2</sup> /h)	Print mode	Speed (m <sup>2</sup> /h)	Print mode	Speed (m <sup>2</sup> /h)	Print mode	Speed (m <sup>2</sup> /h)
Draft	540x720,4P	Bi	32.7	Super Draft	360x360,1P	Bi	105.9
High Speed	540x720,6P	Bi	24.6	Draft	540x360,2P	Bi	69.2
Standard	720x1080,6P	Bi	20.2	High Speed	540x360,3P	Bi	45.0
High Quality	720x1440,12P	Bi	10.4	Standard	540x720,4P	Bi	32.7
				High Quality	720x1080,6P	Bi	20.2

8C (CMYK, Lc, Lm, Lk, Or) / 6C+W (CMYK, Lc, Lm, Lk, Or, W, Si) (CMYK, Or, Lk, W, Si)							
PVC				Banner			
Print mode	Speed (m <sup>2</sup> /h)	Print mode	Speed (m <sup>2</sup> /h)	Print mode	Speed (m <sup>2</sup> /h)	Print mode	Speed (m <sup>2</sup> /h)
Draft	540x360,6P	Bi	22.7	Super Draft	360x360,2P	Bi	50.5
High Speed	540x720,8P	Bi	17.4	Draft	540x360,4P	Bi	33.9
Standard	720x1080,12P	Bi	10.5	High Speed	540x360,6P	Bi	22.7
High Quality	720x1440,24P	Bi	5.3	Standard	540x720,8P	Bi	17.4
				High Quality	720x1080,16P	Bi	7.9

The above print speed is by printed by CJV300-160 Plus.

### Supplies

Item	Color	Item No.	Remarks			
SS21 GREENGUARD Gold certified ink	C/My/K Lc/Lm/Or/Lk	SPC-0501x x...Color	440ml Ink cartridge			
	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-LC-60				
	Orange	SS21-OR-60				
	Light Black	SS21-LK-60				
	White	SPC-0504W-2		220ml Ink cartridge		
Silver	SPC-0504 Si					
ES3	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				
	Cyan	SPC-0440C		440ml Ink cartridge		
	Magenta	SPC-0440M				
Yellow	SPC-0440Y					
Black	SPC-0440K					
Light Cyan	SPC-0440LC					
Light Magenta	SPC-0440LM					
White	SPC-0433W-2	220ml Ink cartridge				
Cyan	SPC-0667C					
BS3	Magenta	SPC-0667M	600ml Ink pack			
	Yellow	SPC-0667Y				
	Black	SPC-0667K				
	Cyan	SPC-0693C				
	Magenta	SPC-0693M				
	Yellow	SPC-0693Y				
	Black	SPC-0693K				
	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				
Sb54 ECO PASSPORT certified ink		Blue		SB54-BLT-44		440ml Ink cartridge
		Magenta		SB54-MT-44		
	Yellow	SB54-YT-44				
	Black	SB54-KT-44				
	Light Blue	SB54-LBT-44				
	Light Magenta	SB54-LMT-44				
	Blue	SB54-BLT-2L	2L Ink pack			
	Magenta	SB54-MT-2L				
	Yellow	SB54-YT-2L				
	Black	SB54-KT-2L				
Light Blue	SB54-LBT-2L					
Light Magenta	SB54-LMT-2L					
MS Cleaning cartridge	SPC-0294	220ml Ink cartridge				
Washing liquid	SPC-0259	220ml Ink cartridge				
Eco cartridge	OPT-J0361	4 c/s				

\*1: BS3/BS4 are available in specific countries.  
 \*2: Optional Mimaki Buki Ink System (MBIS3) is required for using 2L ink pack.  
 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.  
 Eco Passport: Safety and security certification of chemical substances, such as dye, pigment, textile auxiliaries and finishing process agent, which are used to produce textile products

Some of the samples in this catalog are artificial renderings. Specifications, design and dimensions stated in this catalog may be subject to change without notice (for technical improvements etc). The corporate names and merchandise names written in this catalog are the trademark or registered trademark of the respective corporations. Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other units due to slight individual differences. Please note that descriptions and data in this catalog are as of October 2019.

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# CJV300-130/160 Plus

High-performance inkjet printer equipped with eco-solvent ink, which is a print & cut printer wherein environmental protection is achieved by means of additional ecology & economy as well as by work efficiency



Labor-saving process & Business efficiency are additional features



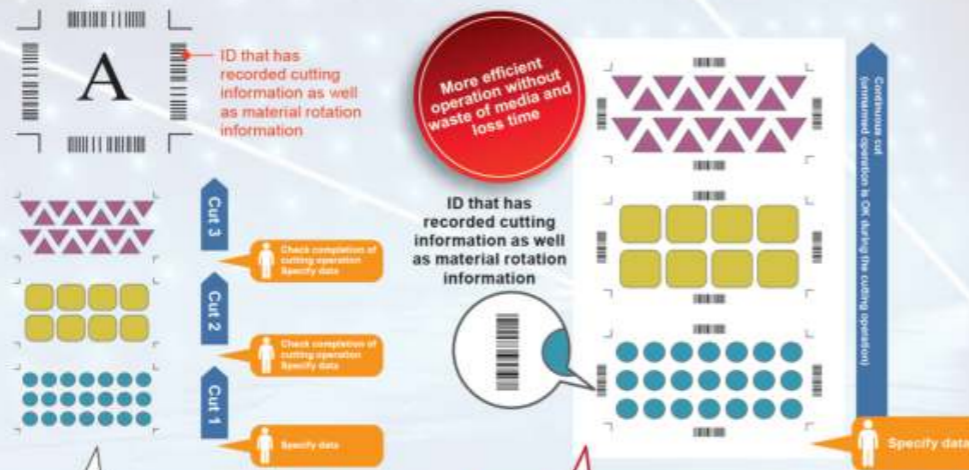
This single unit of printer alone enables labels, stickers, car lapping films or the like to be created.

## Adoption of ID Cut!

- With this single unit, work efficiency of Print & Cut can be improved -

### What is ID Cut?

When the printing operation is performed using CJV300-130/160 Plus and RL6 Plus, ID that has recorded cutting information as well as material rotation information is printed out simultaneously. When the register mark sensor reads such ID, it asks the applicable PC to send cutting data information to it, and starts the cutting operation automatically. Since ID is printed out in four directions, a correct cutting operation will be performed because the machine recognizes an orientation of any media, regardless of orientation of such media.



### In the past...

Any operators scanned register marks and specified cut data after each cutting job was completed.

### ID Cut function of CJV300-130/160 Plus

In the ID Cut function, even if there are a large number of types of cut data, any operator performs manual operation only once at first!



## Ethernet supported!

- Support for Ethernet connection implements free and efficient work environment -

To the conventional connection method to PC for RIP, Ethernet connection has newly been added.

Unlike the conventional USB connection, connection via Ethernet can be established via network cable, and thus connection to a printer from any PC within network is now available. More free and efficient work-site environment can be put in place, by editing data using any PC in your office, then sending print data directly to a printer in your work operation site, for example.

## Ecology & Economy are newly added features

### Adoption of Eco-cartridge

A new Mimaki Eco-cartridge(\*) has been adopted with a replaceable 600ml ink pack. The Eco-cartridge is a reusable plastic case with a 600ml ink pack that can be replaced by customers. Using the Eco-cartridge will reduce the disposal of plastic 440ml cartridge every time ink is replaced, leading to environmental protection. In addition, the increased ink capacity reduces the need for cartridge replacement and add labor-saving process & business efficiency. The 8 colors (C, M, Y, K, Lc, Lm, Lk, Or) of SS21 600ml ink pack are newly prepared for the Eco-cartridge application.

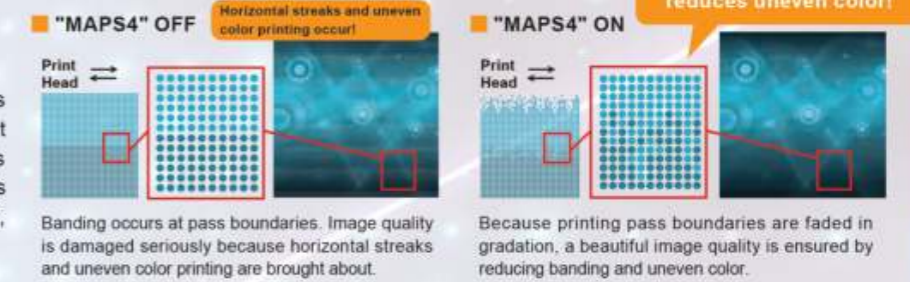
(\*) The Mimaki Eco-cartridge is only compatible with 600ml ink packs.



## Newly added functions to support higher image quality and stability

### MAPS4

In ordinary textile printers, the straight pass boundaries often results in bandings and discoloration due to slight misalignment. The "MAPS4 (Mimaki Advanced Pass System 4)" functionality provides gradation to printed pass boundaries and reduces banding and uneven color, achieving a beautiful printing result.



### Adoption of newly designed feeding & winding mechanism

- "End-face guide" for maximum loadable media in weight (45kg) comes equipped with as standard -

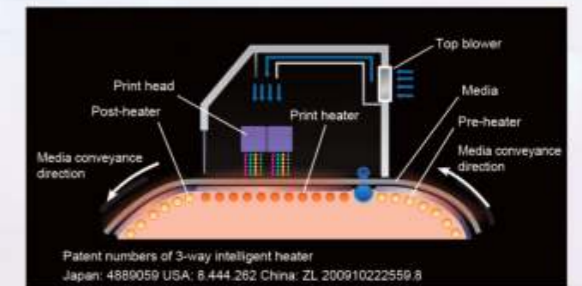
Through renewal of the older feeding & winding mechanism, stability of media conveyance has been improved, and thus the maximum loadable media weight has changed from 40kg to 45kg, making longer-sheet printout available. Also, it is provided with such an end-face guide as standard that prevents edge-surface meandering when any media are wound up, supporting high-quality printout through stable winding.

### Our original and patented technology

### Mimaki's original 3-way intelligent heater

This 3-way intelligent heater fixes ink droplets placed on media in position. While temperature is controlled with Mimaki's original technology, heat is applied to media, and ink droplets are fixed in position with excellent color development and high-quality image being maintained. It achieves both stable color development and easy handling after output.

- Pre-heater: Heats media to optimum temperature before printing
- Print heater: Dries ink droplets placed on media prior to ink bleeding, improving color development
- Post-heater: Accelerates ink drying, realizing a stable winding
- Top blower: Provides air blow to support ink drying



Patent numbers of 3-way intelligent heater  
Japan: 4880959 USA: 8,444,282 China: ZL 200910222559.8

### Silver ink achieves impactful expression additionally!

SS21 silver ink can be used. As compared with a conventional silver ink, its brightness which is almost 1.67 times\* higher than that of it has been materialized. This makes it possible to provide brilliant and beautiful metallic expression.

\* Comparison with our conventional ES3 ink



Providing logo or background with silver color allows for impactful expression.