

# CJV300



## Mimaki CJV300 Series Cutter/Printer

Eco-solvent ink, print & cut roll-to-roll devices  
available in 54" and 64" media widths



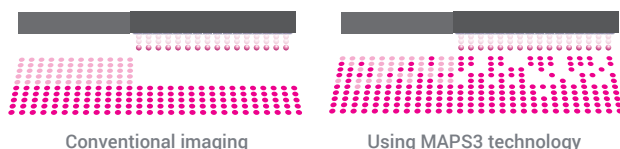
# CJV300 features-at-a-glance

- Print resolutions up to 1440 dpi
- Print speeds up to 1140 sqft/hr
- Automated cut and print functions
- Eco-solvent inks for indoor or outdoor prints including Silver metallic ink
- Dye-sub inks for textile and apparel applications
- Available in 54 and 64 inch widths

## HIGH QUALITY AT HIGHER SPEEDS

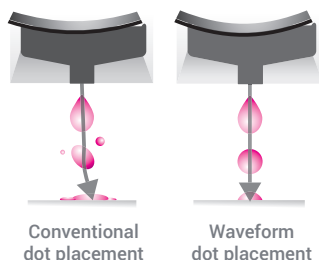
### MAPS3 technology reduces the appearance of banding.

MAPS3 (Mimaki Advanced Pass System 3) prints passes in a gradation-like method by dispersing ink drops between passes. This unique imaging technology reduces banding, uneven ink drying and bi-directional stripes.



### Superior inkjet technology provides precise, consistent high quality imaging.

Mimaki's Waveform inkjet technology controls the shape of the ink drop to an almost perfect sphere for precise placement. This results in sharper lines, text and image edges.

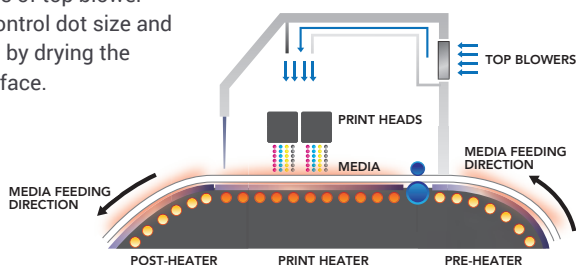


### Smooth, high definition color with variable dot printing.

Variable dot printing produces a smoother, more natural gradation without the granular appearance seen in fixed-dot printing.

### 3-Way Intelligent Heater enhances ink performance.

Three built-in heater areas – pre, print, and post – provide accurate media heating for controlled and consistent ink adhesion and drying. A series of top blower fans control dot size and spread by drying the ink surface.



\*BS3 Solvent ink is not available in the U.S. and Canada.

## AUTOMATED CUT AND PRINT

### Continuous register mark detection.

Through the RasterLink6 software, the CJV150 automatically detects where to stop and start a cutting pattern by detecting the printed register marks. The over-cut feature cross-cuts paths giving corners a crisp cut.



### Versatility of cutting functions.

The "Cut and Print" function prevents common problems such as film separation and faulty cutting results by cutting the media *before* printing. The "Half Cut" function cuts the printed image while keeping the cut image on the media. The "Die Cut" function completely cuts the printed image from the media. "Perforation Cut" produces a series of half and die cuts.

## INK VERSATILITY

### Eco-solvent ink set includes expanded color choices.

The SS21 eco-solvent ink set now includes not only Light Magenta, Light Cyan and White, but Light Black for deeper dimensional monochromatic and grayscale imaging. The addition of Orange ink widens the color gamut for better accuracy in the color reproduction of food and solid PANTONE® colors.

A newly developed SS21 Silver ink is 1.5 times brighter than conventional silver inks for brilliant and beautiful mirrored effects. The silver ink can be used alone or mixed with other ink colors for a multitude of metallic effects.



Silver ink for metallic effects

Also available are Mimaki ES3 eco-solvent inks that offer exceptional scratch resistance for high traffic applications where over-lamination is not desired. These low-odor inks can be used in an office environment without requiring special ventilation.

### Configure for eco-solvent or dye-sublimation printing.

CJV300 Series models can be configured for either eco-solvent printing for most sign and graphics applications **or** for dye-sublimation printing for textile and apparel transfer sublimation applications.

**M C Y K Lc Lm Lk Or W SI**

SS21 Eco-solvent ink set: 10 colors

**M C Y K Lc Lm W**

ES3 Eco-solvent ink set: 7 colors

**M C Y K**

BS3 Solvent\* ink set: 4 colors

**M Bl Y K Lbl Lm**

Sb53 Sublimation ink set: 6 colors

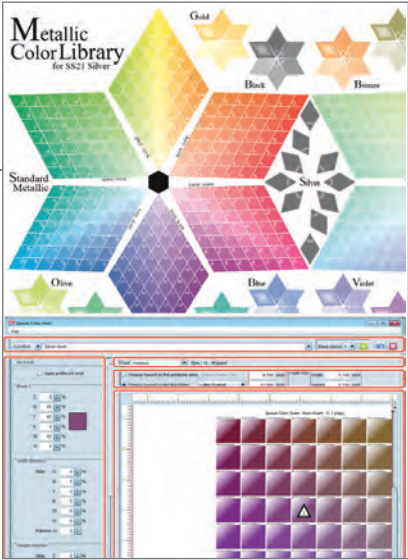
**M Bl Y K Lbl Lm**

Sb54 Sublimation ink set: 6 colors



# Integrated cut-and-print.

Mimaki CJV300 Series cut and print devices go beyond extraordinary to deliver an amazing array of applications. Eco-solvent inks in a variety of colors – including Silver – and advanced printing technologies means you can produce anything from fine art reproductions to outdoor signage. And, with precision cutting capability on board you can go beyond posters and banners to deliver complete campaigns that include labels, decals and even T-shirt transfers. Employing the Mimaki CJV300 Series printers’ superb quality, color fidelity, throughput and contour cutting then printing flexibility – you’ll go beyond the expected, to capture wallet share and deliver whatever your customers can imagine.



**EXPANSIVE METALLIC LIBRARY**  
The SS21 metallic ink library, utilizing Silver ink, contains 648 colors which can be combined to print a near limitless color array through the RasterLink6 RIP software. This metallic color library gives designers and operators the ability to create dazzling colors and effects simply by selecting specific metallic colors from an Adobe® Illustrator® swatch pallet.



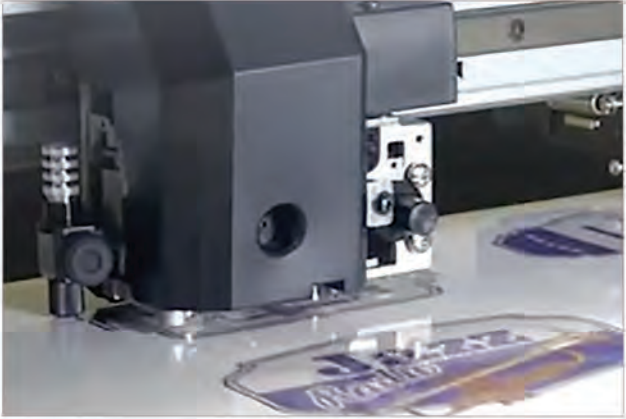
**EQUIPPED WITH MBIS3**  
CJV300 Series models are equipped with the MBIS3 (Mimaki Bulk Ink System 3) featuring economical, high-capacity 2L ink packs that enable unattended production and reduced cost per print.



**MAPS3 BRINGS IMAGES TO LIFE**  
The unique imaging technology of the MAPS3 (Mimaki Advanced Pass System 3) practically eliminates banding at higher speeds by employing a proprietary dot randomized pattern throughout the pass modes.



**CONTINUOUS CROP MARK DETECTION**  
The CJV300 automatically detects all printed crop and register marks, calibrates the cutter, and precisely indicates where to start and stop each cutting sequence.

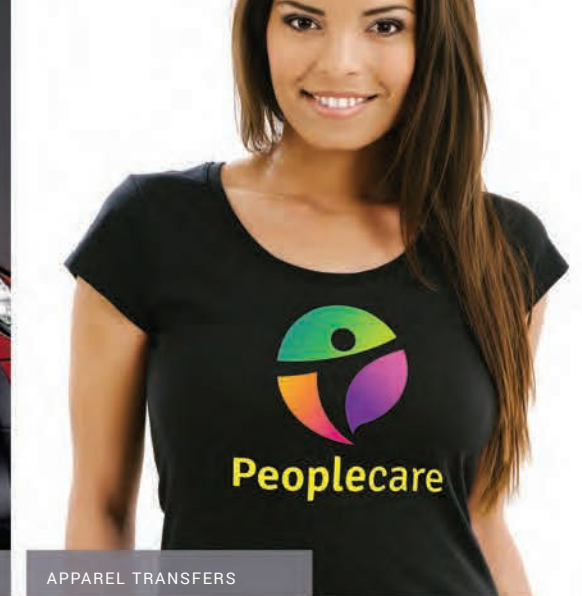


**RANGE OF CUTTING FUNCTIONS**  
The fully automatic and versatile contour cutter is capable of performing full, half-, and perforation-cutting. The versatile system provides the ability to pre-cut or post-cut prints, optimizing throughput while reducing waste and defects common to many print/cut applications.





VEHICLE GRAPHICS with Silver & Metallic accents



APPAREL TRANSFERS

## Built for versatility.

Labels? Metallic decals? Backlights? Wearable art? Whatever the request you'll grow your business with the new Mimaki CJV300 Series cut and print devices. Built on the proven Mimaki JV Series platform, these roll-based cutter/printers include new innovative technologies for faster throughput and on-board cutting. You can produce all your current work at higher quality, with shorter turn-arounds and at lower cost per print. And you can offer new products such as labels or vehicle markings – or enhanced items using Silver or metallic colors – all from one device. With the Mimaki CJV300 Series cut and print models, you gain the application versatility to confidently take on new business.



DIE-CUT LABELS



FULL COLOR PRINTS



FLOOR GRAPHICS



## SOPHISTICATED RIP SOFTWARE MAXIMIZES PERFORMANCE

### Simultaneous layer printing.

RasterLink6 software enables simultaneous three-layer printing for two-sided viewing – color > white > color, or for white over/underprinting.

### Simplified RIP operations.

The “Register as Favorite” feature saves regularly used RIP layouts and operations in a single window for quick retrieval.

### Web software update function.

Program updates and profiles can be downloaded via the Mimaki website.

## CJV300 SERIES SPECIFICATIONS | INKS

Item		Specifications	
Print Head		On-demand piezo head (2 staggered print heads)	
Max. Print Speed (360x360, 1pass, Bi Hi)		4-color x2: 1140 sqft/hr; 8-color (CMYK, Lm, Lc, Lk, Or): 544 sqft/hr	
Print Resolution		360, 540, 720, 1440 dpi	
Ink	Type	Eco-solvent: SS21 (C, M, Y, K, W, Lc, Lm, Lk, Or, Si)	
		Eco-solvent: ES3 (C, M, Y, K, W, Lc, Lm)	
		Solvent: *BS3 (C, M, Y, K)	
		Water-based Sublimation: Sb53 (Bl, M, Y, K, W, Lbl, Lm)	
	Ink Supply System	Sublimation: Sb54 (Bl, M, Y, K, W, Lbl, Lm)	
		SS21: 2 L bulk pack (std); 440 ml cartridge (opt); W, Si - 220 ml cartridge	
		ES3: 440 ml cartridge	
		*BS3: 2 L bulk pack (std); 600 ml eco-cartridge (opt)	
		Sb53: 2 L bulk pack (std); 440 ml cartridge (opt)	
Sb54: 2 L bulk pack (std); 440 ml cartridge (opt)			
Ink Circulation System	Mimaki Circulation Technology (MCT) for White ink only		
Maximum Print Width		CJV300-130: 53.5 in (1,361 mm)	CJV300-160: 63.3 in (1,610 mm)
Media	Maximum Width	CJV300-130: 53.9 in (1,371 mm)	CJV300-160: 63.7 in (1,620 mm)
	Maximum Thickness	1.0 mm or less	
	Roll Weight	88 lb (40 kg) or less	
Cut Speed		11.8 inches (30 cm) per second max.; 1G acceleration max.	
Certifications		VCCI class A, FCC class A, ETL UL 60950 CE Marking (EMC, Low voltage, and Machinery directive) CB, RoHS REACH and EnergyStar, RCM	
Interface		USB2.0	
Input Power Supply		Single-phase (AC 100-120V / AC 220-240V) x2	
Power Consumption		1440W x 2 or less (100V) 1920W x 2 or less (200V)	
Operational Environment		Temperature: 59°F - 86°F Humidity: 35% - 65% Rh (non-condensing)	
Dimensions (WxDxH) Includes MBIS3		CJV300-130: 99" x 28" x 71"	
		CJV300-160: 109" x 28" x 71"	
Weight		CJV300-130: 368 lb	CJV300-160: 392 lb

Some of the samples in this brochure are artificial renderings. Specifications, design and dimensions stated may be subject to change without notice (for technical improvements, etc.). The corporate names and merchandise names written in this brochure are the trademarks or registered trademarks of their respective companies.

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 another due to slight individual differences.

Item	Color	2L Bulk Pack with MBIS3	440ml Cartridge
<b>SS21</b> Eco-solvent	Cyan	SPC-0588C	SPC-0501C
	Magenta	SPC-0588M	SPC-0501M
	Yellow	SPC-0588Y	SPC-0501Y
	Black	SPC-0588K	SPC-0501K
	Light Cyan	SPC-0588LC	SPC-0501LC
	Light Magenta	SPC-0588LM	SPC-0501LM
	Light Black	SPC-0588LK	SPC-0501LK
	Orange	SPC-0588Or	SPC-0501Or
	White	SPC-0504W-2 — 220ml Cartridge Only	
	Silver	SPC-0504Si — 220ml Cartridge Only	
<b>ES3</b> Eco-solvent	Cyan	—	SPC-0440C
	Magenta	—	SPC-0440M
	Yellow	—	SPC-0440Y
	Black	—	SPC-0440K
	Light Cyan	—	SPC-0440LC
	Light Magenta	—	SPC-0440LM
<b>BS3*</b> Solvent	Cyan	SPC-0693C	SPC-0667C (600 ml)**
	Magenta	SPC-0693M	SPC-0667M (600 ml)**
	Yellow	SPC-0693Y	SPC-0667Y (600 ml)**
	Black	SPC-0693K	SPC-0667K (600 ml)**
	Eco-cartridge	OPT-J0237	**Required for 600 ml inks
<b>Sb53</b> Water-based Sublimation	Blue	Sb53-BL-2L	Sb53-BL-44
	Magenta	Sb53-M-2L	Sb53-M-44
	Yellow	Sb53-Y-2L	Sb53-Y-44
	Deep Black	Sb53-K-2L	Sb53-K-44
	Light Blue	Sb53-LBL-2L	Sb53-LBL-44
	Light Magenta	Sb53-LM-2L	Sb53-LM-44
<b>Sb54</b> Sublimation	Blue	Sb54-BLT-2L	Sb54-BLT-44
	Magenta	Sb54-MT-2L	Sb54-MT-44
	Yellow	Sb54-YT-2L	Sb54-YT-44
	Black	Sb54-KT-2L	Sb54-KT-44
	Light Blue	Sb54-LBT-2L	Sb54-LBT-44
	Light Magenta	Sb54-LMT-2L	Sb54-LMT-44

\*BS3 Solvent ink is not available in the U.S. and Canada.



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