

#### RASTER LINK 6

#### Intuitive and user-friendly operation

# 1. Easy to follow icons enable intuitive and



2. Related settings feature in one window to simplify RIP operations with 'Register as Favourite' option available for regularly used layouts

Specifications

user-friendly operation

	CJV300-130	CJV300-160
Print head	On-demand piezo head (staggered dual-head)	
Resolution	360 dpi, 540 dpi, 720 dpi, 1,080dpi, 1,440 dpi	
Ink type	Solvent ink: SS21/BS3* Water-based sublimation ink: Sb53 (*BS3 ink is only available to non-EU countries)	
Ink colour	SS21: 10-colour (CMYK Lc Lm Lk Or W Si), BS3 (CMYK)	
Ink capacity	SS21:440ml cartridge/2L ink pack (W & Si: 220ml cartridge only) BS3: 600ml ink pack / 2L ink pack Sb53: 440ml cartridge/2L ink pack	
Max. printing width	Max.1,361mm	Max.1,610mm
Max. media width	Max.1,371mm	Max.1,620mm
Media thickness	1.0mm or less	
Roll weight	40kg or less	
Outside dimension	2,525mm(W) x 700mm(D) x 1,392mm(H)	2,775mm(W) x 700mm(D) x 1,392mm(H)
Body weight	167kg	178kg
Power supply	2x Single phase (AC100~120V/220~240V +/-10%') 50/60Hz±1Hz	
Power consumption	1,440Wx2 or less (100V) / 1,920Wx2 or less (200V)	
Applicable standards	VCCI class A / FCC class A / CE Marking (EMC, Low Voltage Machinery) / CB report / UL60950-1ETL / RoHS / REACH / CCC (pending) / Energy Star / RCM	
Operational environment	Temperature: 20–30 °C (68–86 °F) Humidity: 35–65% Rh (Non condensing)	

#### Options

Item	Item No.
Drying fan 160 / Drying fan 130	OPT-J0351 / OPT-J0352
Exhaust kit 160 / Exhaust kit 130	OPT-J0353 / OPT-J0354
AMF160 kit / AMF130 kit	OPT-J0359 / OPT-J0360
Static prevention sheet 300-160	OPT-J0355
Static prevention sheet 300-130	OPT-J0357
Jig-Head gap check	OPT-J0375
MBIS3 (Mimaki Bulk Ink System)	OPT-J0364
Eco case for 600 ml ink bag	OPT-J0361

Some of the samples in this folder are artificial renderings - Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.)
The corporate and merchandise names written on this folder are the trademark of the respective corporations • Inkjet printers print using extreme fine dots, so colcurs may vary after replacement of the printing heads, also note that if using multiple printer units, colcurs could vary slightly from one unit to other unit due to slight individual differences • Compositor's errors reserved

Versatile Print and Cut Function delivers amazing creative production capability from a single machine...

The multiple functions of the CJV300 models ensure high-quality printing and highaccuracy cutting enabling the production of labels, stickers and vehicle wraps with ease.

Continuous-register mark-detection function enables continuous media cutting.

The CJV300 automatically detects all register marks set by RasterLink6 on the media, and cuts contour lines precisely by utilising simultaneous automatic calibration.



## Print and cut on no-register mark media / Cut and print function

Media up to 1m in length does not require register marks, reducing media wastage.

### Segment correction function facilitates precision cutting over longer-length prints.

This function detects intermediate register marks and enables four-point corrections for each segment to ensure accurate contour cutting over longer-length prints, even if the image is distorted.

#### Over-cut and corner-cut functions ensure clearly cut edges with no residues.

The over-cut function ensures sharply cut edges with no residues by making a cross cut at the start and end positions of the contour cutting. The corner-cut function ensures sharply cut edges by making cross cuts at each corner.



#### Clamp-pressure automatic-switching function enables continuous operation.

The pressure of the media clamps is automatically optimised for printing and cutting. No pressure adjustment by the operator is required during continuous operation.

#### "Cut and Print" function improves the workability of thin materials.

This function prevents common problems, such as film separation and faulty cut results, by cutting the media before printing.

#### Versatile cutting methods satisfy a range of market demands.

"Half-cut" produces a series of half and die cuts, leaving a few connection points that retain the printed image on the medium. "Die cut" completely cuts the printed image from the medium. "Perforation cut" is useful for clipping images from the medium, used as crease lines.



MEUCJV30001-E

#### Sophisticated RIP Software maximizes performance

Cyan

Magenta

Yellow Black

Light Cyan

Orange

Light Black

White

Silver

Cvan

Magenta

Yellow

Black

Light Cyan

Light Magenta

Orange

Light Black

Cyan

Magenta

Yellow

Black

Cyan

Magenta

Yellow

Black

Blue

Magenta

Yellow

Black

Deep Black Light Blue

Light Magenta

Blue

Magenta

Yellow

Black

Deep Black Light Blue

Light Magenta

Light Magenta

SPC-0501C

SPC-0501M

SPC-0501Y

SPC-0501K

SPC-0501LC

SPC-0501LM

SPC-0501Or

SPC-0501Lk

SPC-0504W-2

SPC-0504Si

SPC-0588C

SPC-0588M

SPC-0588Y

SPC-0588K

SPC-0588LC SPC-0588LM

SPC-0588Or

SPC-0588Lk

SPC-0667C

SPC-0667M

SPC-0667Y

SPC-0667K

SPC-0693C

SPC-0693M

SPC-0693Y

SPC-0693K

SB53-BL-44

SB53-M-44

SB53-Y-44

SB53-K-44

SB53-DK-44

SR53-I BI -44

SB53-LM-44

SB53-BL-2L

SB53-M-2L

SB53-Y-2L

SB53-K-2L

SB53-DK-2L

SB53-LBL-2L

SB53-LM-2L



3. Printing progress can be monitored o

Supplies

SS21

BS3

Sb53

the main screen

3-layer printing Enables simultaneous 3-layer printing e.g. Colour → White → Colour

> Web update function is supported: This facility enables easy program updates and profile downloading to be performed via the internet.

> > 440ml Ink cartridge

220ml Ink cartridge

220ml Ink cartridge

2,000ml Ink pack

600ml Ink pack

2,000ml Ink pack

440ml Ink cartridge

2.000ml Ink pack

# CJV300series



## High-speed, integrated printer/cutter···









# Mimaki

#### ENGINEERING EXCELLENCE AND CREATIVE INNOVATION

Founded in Japan in 1975, Mimaki Engineering has steadily grown by reputation and influence into a global company with large operational bases in Asia and the Pacific, United States and Europe.

Renowned for award-winning performance, peerless build quality and innovative technology, Mimaki has established itself as a leading manufacturer of printers and cutting machines for the sign and graphics, textile and apparel and ndustrial markets. In addition, Mimaki also provides a comprehensive range of supporting products: hardware, software and associated consumable items, such as inks and cutting blades.

From outdoor signage and billboards to interior decoration and furnishing, from packaging and otional gifts and apparel. Mimaki s committed to developing technology that sets new industry standards, producing machines and products that turn the imagination of our customers into breath-taking reality

#### ··· Mimaki delivers

Mimaki's latest integrated printer/cutter delivers new levels of creativity with versatile and vibrant ink types, including new Silver, Orange and Light Black. CJV300 Series achieves the highest print speeds in its class, with innovative technologies ensuring unrivalled output quality for signmakers, display graphics professionals and printshops.

## CJV300 series delivers ...

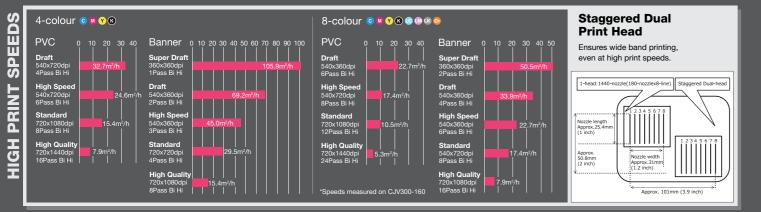
- Fast printing speeds up to 105.9m<sup>2</sup> per hour
- High quality print resolution of up to 1,440dpi
- Two different printing widths: 1,361mm and 1,610mm
- Choice of multiple solvent ink sets, including:
- 10-colour options (SS21) including; Silver, Orange, Light Black & White inks
- Nozzle Check Unit (NCU) and Nozzle Recovery System (NRS) ensure continuous print operations
- UISS and optional MBIS III on board 2 litre bulk ink system
- 3-way intelligent heater





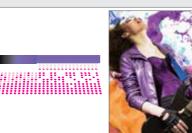
Create ···· Metallic stickers, Decals, Die-cut labels, Signage, Vehicle graphics, Banners, Posters, PoS, Backlit & Exhibition graphics, Garment marking, Canvas prints and much more...

#### **KEY TECHNICAL FEATURES ···**





Waveform Control Technology Ensures high quality print resolution, by jetting ink drops in straight lines with almost perfect round dots, delivering clear and sharp letters lines and edges



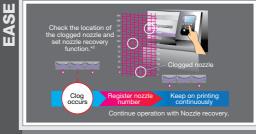


## State-of-the-art integrated printer/cutter for creative applications

#### The NRS substitutes defective nozzles with non-defective

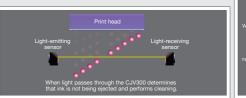
nozzles until the technician arrives. This feature enables ninterrupted print operations and continuous productivity. NRS: Nozzle Recovery System \*2 10 nozzles per nozzle row can be registered.

Productivity maintenance - NRS\*



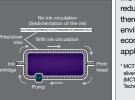
#### Prevention, print quality problems - NCU\*

The CJV300 is equipped with Mimaki's original automatic NCU. Clogged nozzles are automatically detected and cleaned by the NCU. If the clogging is not resolved by cleaning, the CJV300 automatically sets the nozzle recovery function NRS and resumes printing. These functions significantly reduce the waste printing caused by clogged nozzles during a continuous printing run.



#### Stable printing using the ink circulation system - MCT\*

MCT is a standard feature included to effectively avoid the settling of white and silver pigments in the ink lines by regularly circulating the ink. It prevents print troubles and enables stable output from the start of operation. In addition

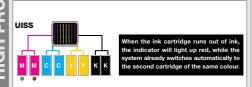


MCT contributes to reduction of ink waste thereby supporting environmentally and conomically friendly plications.

silver inks. MCT = Mimaki Circulation Fechnology)

#### System (UISS) Utilises two cartridges per colour in 4-colour mode. When one cartridge runs out of ink the system switches automatically to the second cartridge of the same colour, enabling long attended printing

Uninterrupted Ink Supply



#### 3-Way intelligent heater

A 3-way intelligent heater fixes droplets placed on media By using Mimaki's original technology in heating the media at a controlled temperature, ink can be fixed while maintaining high colour development and high image quality. Thus the CJV300 provides both steady colour development and easy handling after printing.

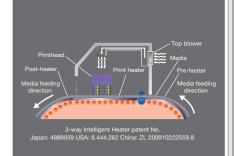
- Pre-heater: Heats media to the optimum temperatur before printing.
- Print heater: Dries ink after it lands on media before it bleeds, improving colour development.
- Post-heater: Enhances ink drying and achieves stable take-up.

By using the orange ink as a process colour, 94.8% of the

PANTONE colour chart is covered with approximate colours.

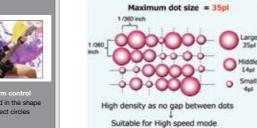
simulated, and corporate colours can be faithfully represented.

Top blower: Air blower supports drying of ink



#### Large ink dot size in high speed mode

Delivers high density print by removing the gap between dots.





Newly developed SS21 silver ink is available. Being 1.67\* times brighter than conventional silver inks, SS21 ink adds brilliant and beautiful mirror effects to print results.



Silver colour added to catch copies and logos strikes a profound mpression on the viewers, which akes silver printing very appealing



Conventional ink-se

#### Orange Ink (Faithful colour reproduction) Light Black Ink (greater definition) The light black ink improves the printed grayscale

gradation. It also faithfully represents monochrome data Thanks to a wider gamut with the orange ink, food freshness can be without introducing unexpected colour shifts. Light black ink ensures a more accurate colour representation













The intensity of brightness in the silver ink varies as per the viewing angle. Such a high level of brightness attracts the viewer.