

CUTTING EDGE TECHNOLOGY



Mimaki's unique Core Technologies ensure

UNATTENDED, CONTINUOUS PRINTING OPERATION COMBINED WITH THE VERY HIGHEST IMAGE QUALITY

STABLE PRODUCTION



NCU
Nozzle Check Unit automatically checks nozzles and cleans them if required



NRS
Nozzle Recovery System automatically substitutes defective nozzles giving uninterrupted operation



MCT
Mimaki Circulation Technology continuously agitates inks that are susceptible to settling ensuring quality and economy



MAPS4
Mimaki Advanced Pass System reduces banding by dispersing ink drops between passes



WFC
Waveform Control utilises finely tuned frequencies to precisely shape and place individual ink drops



VARIABLE DOT
enables the printer to print in 3 different dot sizes to create high quality images with smooth gradations

HIGH IMAGE QUALITY

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MIMAKI PLUS SERIES SPECIFICATIONS

	Mimaki JV300-160Plus Printer	Mimaki CJV300-160Plus Printer / Cutter	Mimaki CG-FXII Plus Cutting Plotter
Printhead	On-demand piezo head (2 staggered printheads)		-
Print resolution	360dpi, 540dpi, 720dpi, 1,080dpi, 1,440dpi		-
Maximum print / cut width	1,610mm		75: 870mm 130: 1,425mm 160: 1,720mm
Maximum media width	1,620mm		75: 1,040mm 130: 1,580mm 160: 1,880mm
Ink	Type / Colour*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: 220ml ink cartridge only) ES3: 440ml ink cartridge (White: 220ml ink cartridge only) BS3 / BS4: 600ml / 2L ink pack Sb54: 440ml ink cartridge / 2L ink pack	-
	Circulation system	MCT (Mimaki Circulation Technology) only applies to white ink	-
Max cutting pressure	-	10-450g	500g
Rolled media weight	45kg		18kg / 18kg / 22kg
Interface	USB 2.0 / Ethernet 1000BASE-T		RS-232C / USB
Power supply	Single-phase (AC 100-120V/ AC220-240V) x2 50Hz / 60Hz ±1Hz		AC100V- 240V 1A 50/60Hz
Power consumption	1,440W x 2 or less (AC100V) / 1,920W x 2 or less (AC200V)		100W or less
Operational environment	Temperature: 20-30°C Humidity: 35-65% Rh (Non-condensing)		Temperature: 5-35°C Humidity: 35-75% Rh (Non-condensing)
Dimensions (W x D x H)	2,775 x 700 x 1,392mm		75: 1,285 x 700 x 1,217mm 130: 1,825 x 700 x 1,217mm 160: 2,128 x 700 x 1,217mm
Weight	200kg	178kg	75: 47kg 130: 62kg 160: 70kg

Specifications, designs and dimensions in this list may be subject to change without notice due to technical improvements etc.

- *1: BS3/BS4 are available in specific countries.
*2: Optional Mimaki Bulk Ink System (MBIS3) is required for using 2L ink pack.
*3: Silver ink only available for CJV300-160Plus

For detailed specifications, options and supply list, please visit www.mimakieurope.com

MEUPLUS01-EN

NEXT GENERATION PRINT & CUT TECHNOLOGY



PLUS SERIES

Mimaki

Mimaki's next generation print and cut solutions combine to deliver the highest quality results, at faster speeds than ever before whilst retaining a seamless and highly efficient workflow. The new Plus Series printers, cutters and integrated printer/cutters offer a state of the art system that leverages the latest technology to drive your business forwards with sustainable choices that also improve profitability.

HIGHEST QUALITY RESULTS AT FASTER SPEEDS

Mimaki Advanced Pass System (MAPS4)

The latest version of Mimaki Advanced Pass System reduces banding even at higher print speeds. MAPS4 enables faster and more complex hardware-driven calculations to be carried out, resulting in significant efficiencies, even at high print speeds.

Newly Designed Take-Up Device

The Plus Series printers feature a new take-up device capable of handling rolls of up to 45kg, preventing media shifting and ensuring smooth production.

3-Way Intelligent Heater

Mimaki's proprietary patented 3-way intelligent heater ensures stable colour development and easy handling after printing.

- Pre-heater heats the media to optimum temperature before printing
- Print heater quickly dries ink droplets before colour bleeding occurs
- Post-heater accelerates ink drying
- Top blower provides air blow to support ink drying



Print Speeds



UNBEATABLE PRINT AND CUT WORKFLOW

Flexible solutions to suit every need

Choose the CJV300 Plus for print and cut operation in an all-in-one solution or combine the JV300 Plus printer with any CG-FXII Plus cutting plotter for unbeatable print and cut productivity.

ID Cut Function

Mimaki's new ID Cut function has been designed to enable printer operators to contour cut multiple jobs with minimal intervention, even for jobs longer than 2m. Offering trouble-free, automatic cutting of consecutive jobs, it saves time and reduces potential material waste.

An ID barcode is printed through the RasterLink6 Plus RIP along with the image, with the barcode including cutting and rotation information. The crop mark sensor reads the barcode and automatically executes cutting, ensuring all alignment and rotational requirements are observed. Additionally, Mimaki's proprietary media edge guides prevent media skewing and reduce likelihood of material wastage.

Powerful integrated software as standard

Mimaki FineCut plugin for Adobe Illustrator® and CorelDraw® with barcode support is included with all Plus Series cutters and integrated printer/cutters.

SUSTAINABLE CHOICES THAT LOWER YOUR RUNNING COSTS



Now available for Mimaki's Greenguard Gold certified SS21 solvent inks: reusable eco-cases for 600ml CMYK ink packs. In addition to larger run capacity, the new eco-case also brings up to 15% savings in ink costs, compared to the 440ml cartridges. Using the eco-case will also eliminate the disposal of plastic.

Products that are GREENGUARD Gold certified meet the rigorous standards for low emission of volatile organic compounds (VOCs) and ensure that a product is acceptable for use in environments such as schools and healthcare facilities.



WIDER GAMUT & MORE SPECIAL EFFECTS



Spectacular colours, accurately recreated

Mimaki Plus Series printers offer 8-colour configuration with SS21 inks (CMYK, Lc, Lm, Lk and Or), which enables printing up to 95% of the Pantone Coated range. Mimaki's Rasterlink6 Plus RIP also supports Orange as a spot colour. With more ICC profiles available for download than any other brand, your printed colours will be perfectly matched.

Silver and White Inks

Whether you want to create stunning metallic effects with silver* ink or print on transparent and coloured media with white ink, the possibilities are endless!

*silver ink only available for CJV300 Plus model.

CREATE: Signs | Banners | Stickers & Labels | Banners | Vehicle graphics | Point of Sale | Display graphics | Canvas prints

Floor graphics | Posters | Décor | Cut vinyl | Metallic prints | Window graphics and much more...