Outdoor signboards

STUNNING BEAUTY

Illumination signboards

Banners

Beautiful LIP Beautiful LIP Beautiful LIP

Posters

■ Specifications

Item		JV300-130/160	
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	Eco-solvent ink • SS21 (C, M, Y, K, Lc, Lm, Lk, Or, W) • BS3* (C, M, Y, K) • BS4* (C, M, Y, K) • ES3 (C, M, Y, K, Lc, Lm, W) (*Only available in specific countries) Water-based sublimation ink • Sb53 (Bl, M, Y, K, DK, LBl, Lm) • Sb54 (Bl, M, Y, K, LBl, Lm)	
	Package size	SS21 : 440ml Ink cartridge/2L Ink pack 　(* White is provided in 220ml Ink cartridge only) ES3 : 440ml Ink cartridge (* White is provided in 220ml Ink cartridge only) BS3 : 600ml Ink pack/2L Ink pack BS4 : 600ml Ink pack/2L Ink pack Sb53 : 440ml Ink cartridge/2L Ink pack Sb54 : 440ml Ink cartridge/2L Ink pack *Optional Mimaki bulk ink system 3 (MBIS3) is required for using 2L Ink pack.	
	Circulation system	MCT (Mimaki Circulation Technology) Only applies to white ink	
Media thickness		1.0 mm or less	
Rolled media weight		40 kg (88 lb) or less	
Certifications		VCCI class A, FCC class A, ETL UL 60950 CE Marking (EMC, Low voltage, and Machinery directive), CB, RoHS REACH, Energy Star, RCM	
Interface		USB 2.0, LAN for E-mail notification function	
Power supply		Single-phase (AC 100–120V / AC 220–240V) × 2	
Power consumption		1440W × 2 or less (100V), 1920W × 2 or less (200V)	
Operational environment		Temperature: 20–30 °C (59–86 °F)　Humidity: 35–65% Rh (Non condensing)	
Dimensions (W × D × H)		2,525 × 700 × 1,392 mm (99 × 28 × 55 in.)	2,775 × 700 × 1,392 mm (109 × 28 × 55 in.)
Weight		170.6 kg (376.1 lb)	182.4 kg (402.1 lb)

User friendly RIP "RasterLink 6"

◆ More beautiful and advanced print results are achieved by following a user-friendly interface that is easy to operate.
◆ Color replacement function enhances the ability to re-create printed images.

\<Supports Web update function\>
◆Program update and profile download can be easily performed via internet.

■ Supplies

Item	Color	Item No.	Remarks
SS21	Cyan	SPC-0501C	440ml Ink cartridge
	Magenta	SPC-0501M	
	Yellow	SPC-0501Y	
	Black	SPC-0501K	
	Light Cyan	SPC-0501LC	
	Light Magenta	SPC-0501LM	
	Orange	SPC-0501Or	
	Light Black	SPC-0501Lk	
	White	SPC-0504W-2	220ml Ink cartridge
	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	
ES3	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
BS3	Cyan	SPC-0667C	600ml Ink pack
	Magenta	SPC-0667M	
	Yellow	SPC-0667Y	
	Black	SPC-0667K	
	Cyan	SPC-0693C	2L Ink pack
	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	
Sb53	Blue	Sb53-BL-44	440ml Ink cartridge
	Magenta	Sb53-M-44	
	Yellow	Sb53-Y-44	
	Black	Sb53-K-44	
	Deep Black	Sb53-DK-44	
	Light Blue	Sb53-LBL-44	
	Light Magenta	Sb53-LM-44	
	Blue	Sb53-BL-2L	2L Ink pack
	Magenta	Sb53-M-2L	
	Yellow	Sb53-Y-2L	
	Black	Sb53-K-2L	
	Deep Black	Sb53-DK-2L	
	Light Blue	Sb53-LBL-2L	
	Light Magenta	Sb53-LM-2L	
Sb54	Blue	SB54-BLT-44	440ml Ink cartridge "ECO PASSPORT" Certification Ink (Certificate NoNEP1605)
	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 "ECO PASSPORT" Certification Ink (Certificate NoNEP1605)
	Magenta	SB54-MT-2L	
	Yellow	SB54-YT-2L	
	Black	SB54-KT-2L	
	Light Blue	SB54-LBT-2L	
	Light Magenta	SB54-LMT-2L	

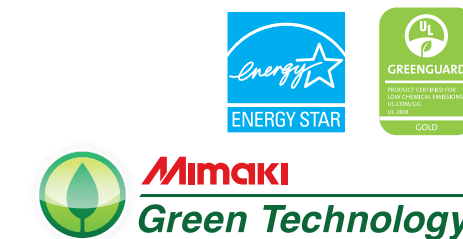* SS21 is GREENGUARD Gold certification ink.

For SIGN GRAPHICS

Wide-format Inkjet Printer for
Solvent / Water-based Sublimation Inks

Mimaki

JV300 Series
JV300-130 / JV300-160

New Global Standard

Outstanding Speed
Stunning Beauty

ENERGY STAR

GREENGUARD

Mimaki
Green Technology

New Global Standard

The new standard for highest quality

Outstanding Speed

Maximum printing speed: 105.9m²/h

The JV300-130/160 provides both high productivity and high image quality.
The graphs below show the speeds at which the JV300-160 prints in each mode.

4-color C M Y K

PVC	0 10 20 30 40㎡/h	Banner	0 10 20 30 40 50 60 70 80 90 100㎡/h
Draft 540x720dpi 4Pass Bi	32.7㎡/h	Super Draft 360x360dpi 1Pass Bi	105.9㎡/h
High Speed 720x1080dpi 6Pass Bi	20.2㎡/h	Draft 540x360dpi 2Pass Bi	69.2㎡/h
Standard 720x1440dpi 12Pass Bi	10.4㎡/h	High Speed 540x720dpi 4Pass Bi	32.7㎡/h
High Quality 1440x1440dpi 16Pass Bi	4.3㎡/h	Standard 720x720dpi 4Pass Bi	29.5㎡/h
		High Quality 720x1080dpi 8Pass Bi	15.4㎡/h

8-color C M Y K + ● ● ● ●

PVC	0 10 20 30 40㎡/h	Banner	0 10 20 30 40 50㎡/h
Draft 540x360dpi 6Pass Bi	22.7㎡/h	Draft 360x360dpi 2Pass Bi	50.5㎡/h
High Speed 540x720dpi 8Pass Bi	17.4㎡/h	High Speed 540x360dpi 4Pass Bi	33.9㎡/h
Standard 720x1080dpi 12Pass Bi	10.5㎡/h	Standard 540x720dpi 8Pass Bi	17.4㎡/h
High Quality 720x1440dpi 24Pass Bi	5.3㎡/h	High Quality 720x1080dpi 16Pass Bi	7.9㎡/h

6-color + White C M Y K ● ● + ●w

2 layer printing (color->white or white->color)

General transparency	0 1 2 3 4㎡/h		0 1 2 3 4㎡/h
High Speed 720x1080dpi 14Pass Bi	3.1㎡/h	High Quality 720x1440dpi 32Pass Bi	1.3㎡/h
Standard 720x1080dpi 18Pass Bi	2.3㎡/h		

3 layer printing (color->white->color)

General transparency	0 1 2 3 4㎡/h		0 1 2 3 4㎡/h
High Speed 720x1080dpi 18Pass Bi	2.3㎡/h	High Quality 720x1440dpi 32Pass Bi	0.8㎡/h
Standard 720x1080dpi 24Pass Bi	1.3㎡/h		

Stunning Beauty

Reduces Banding

Mimaki's original MAPS2 technology, which reduces banding, has evolved further into MAPS3*. Banding is reduced by thinning out the dots and printing over it on areas where banding will be visible.

* MAPS3: Mimaki Advanced Pass System 3

Without MAPS3   With MAPS3

## Superior inkjet technology provides consistently high quality imaging

Using Mimaki's original superior inkjet control, the circularity of ink droplets is almost perfect, landing on the media precisely. With the improvement of preciseness in droplet placement, text, lines and edges are printed clearly.

With waveform control   Without waveform control
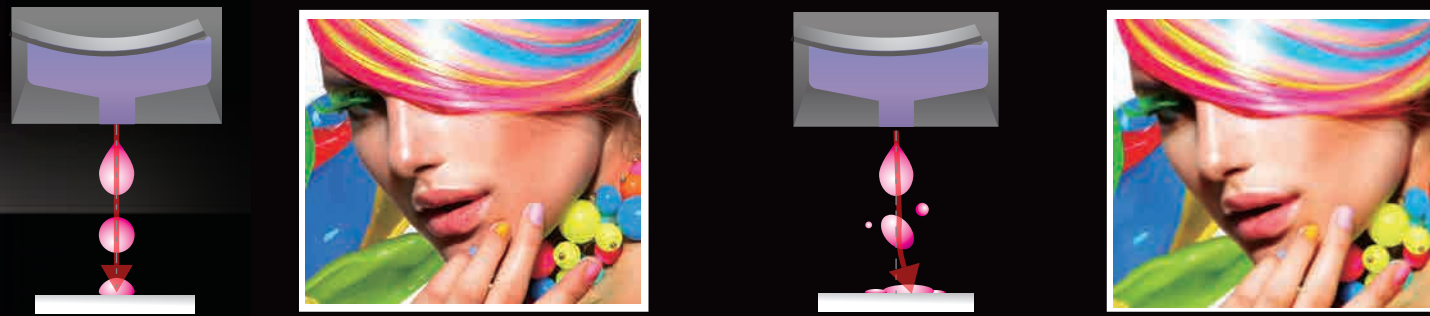
3-Way intelligent heater

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 color development and high image quality. Thus the JV300 provides both steady color development and easy handling after printing.

- Pre-heater: Heats media to the optimum temperature before printing.
- Print heater: Dries ink after it lands on media before it bleeds, improving color development.
- Post-heater: Enhances ink drying and achieves stable take-up.
- Top blower: Air blower supports drying of ink.

Printhead · Post-heater · Print heater · Top blower · Media · Pre-heater · Media feeding direction
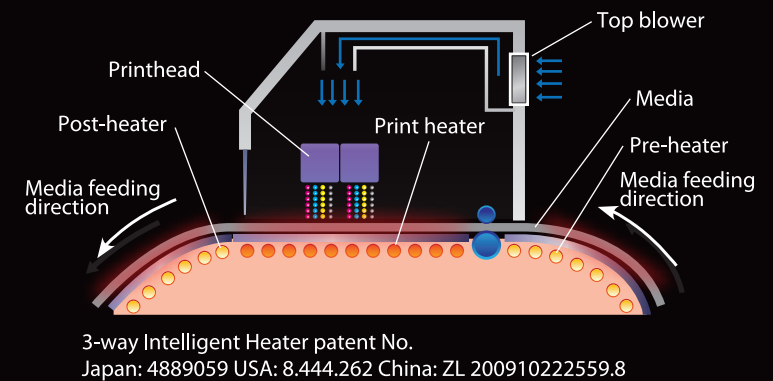
3-way Intelligent Heater patent No.
Japan: 4889059 USA: 8.444.262 China: ZL 200910222559.8

Smooth color gradation printing

By ejecting 3 different dot sizes (Large/Medium/Small), images are expressed smoothly without graininess, even in large-format printing. Furthermore, the Large dot size is 35pl and by using this size effectively, light and shade can be expressed firmly while using higher printing speed settings.

A Variety of Expressiveness to Inspire Sensibility

Achieves a higher level of expression by using orange ink

Orange ink widens the color gamut and reproducibility, enabling to express food freshness and reproduce accurate corporate colors. This allows the unit to cover about 92%* of the PANTONE color chart.
*Cover rate as an approximate color.

Conventional inks only   With orange ink

Accurate expression with light black ink

Gradation properties of grayscale are enhanced by the adoption of light black ink. In addition to accurate monochrome data reproduction, the unit also improves the expression of subtle color gradations such as human skin, providing a highly accurate expression available.
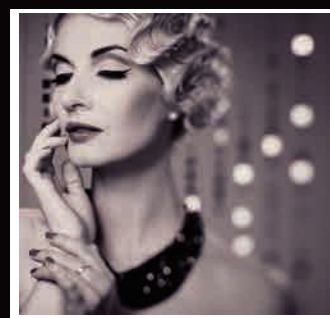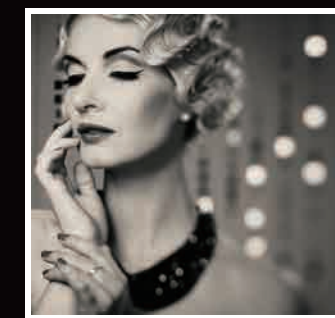
Conventional inks only   With light black ink

Can be used with Sb54 sublimation transfer ink

Using Sb54 sublimation transfer ink, which achieves crisp and colorful finishing with high ink density, the JV300 can also be used for sublimation transfer printing on polyester materials, improving profitability through lower ink costs and stable printing.
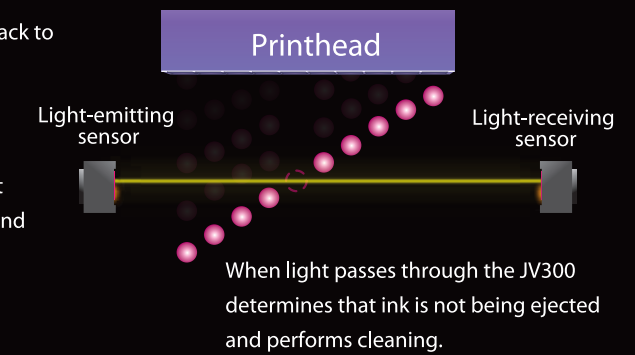

Reliable, User-Friendly Usability

Continuous operation support pack to minimize downtime

The JV300-130/160 is prepared with the following continuous operation support pack to minimize downtime in case of emergency such as machine failure.

Continuous print operation solutions

The JV300 is equipped with Mimaki's original automatic NCU*. If the clogging is not resolved after cleaning, the JV300 sets the nozzle recovery function automatically and resumes printing. It will not print while nozzle drop out is occurring.
* NCU：Nozzle Check Unit

Printhead · Light-emitting sensor · Light-receiving sensor

When light passes through the JV300 determines that ink is not being ejected and performs cleaning.
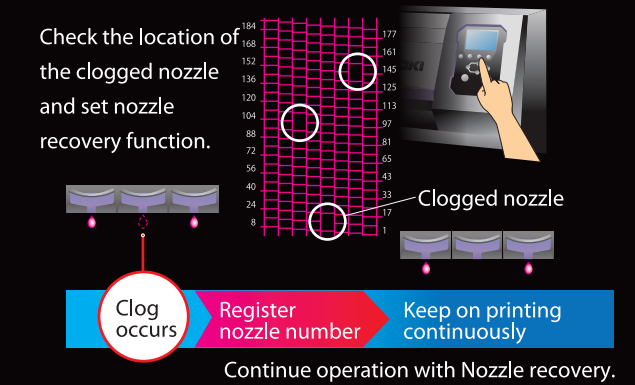
Clears nozzle drop out while maintaining print speed

Because machine is equipped with Mimaki's original NRS*[1], continuous operation can be performed without affecting print speed, even while the printer is experiencing nozzle drop out. If nozzle drop out is not cleared with maintenance such as cleaning, printing without nozzle drop out is made possible by registering the nozzle that has experienced a drop out*[2].
*[1] Nozzle Recovery system
*[2] 10 nozzles can be registered per nozzle row

Check the location of the clogged nozzle and set nozzle recovery function.
Clogged nozzle

Clog occurs → Register nozzle number → Keep on printing continuously

Continue operation with Nozzle recovery.

E-mail notification to know about print status anywhere, anytime

Using an E-mail notification, the JV300 sends Printer status such as print start/finish and print abort due to an error to a registered E-mail address. This allows users to know the printer status even while they are away.

Print Start / Finish Error / Warning
LAN connection · Internet · Printer · Mobile phone · Receive E-mail
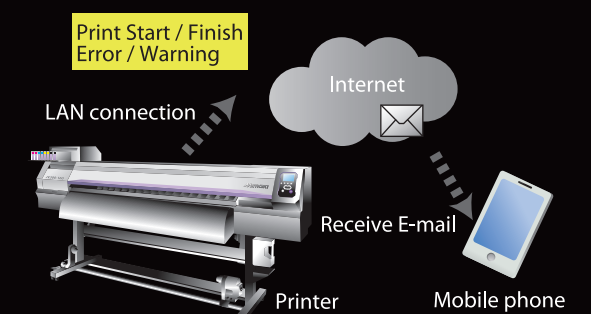
MCT* ink circulation system provides stable printing

MCT to effectively avoid the settling of white pigment in the ink lines by regularly circulating white ink is standard equipment. It prevents any print troubles and stable printing is assured from the startup time. In addition, MCT contributes to reduction of ink waste and thereby supporting environmentally and economically friendly applications.
*MCT is only applicable to white ink.
(MCT = Mimaki Circulation Technology)

No ink circulation (Sedimentation of the ink)
White ink · With ink circulation
Ink cartridge · Print head · Pump
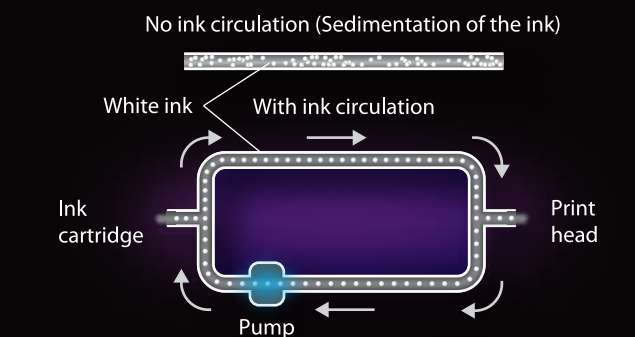
Reliable ink supply system

UISS — The JV300 is equipped with a 2-ink cartridge per color. Even if one cartridge becomes empty, ink supply continues from the other cartridge, preventing print suspension from ink end.

Non-stop ink replacement — Cartridges that are out of ink can be replaced while printing. This prevents print suspension from ink end.
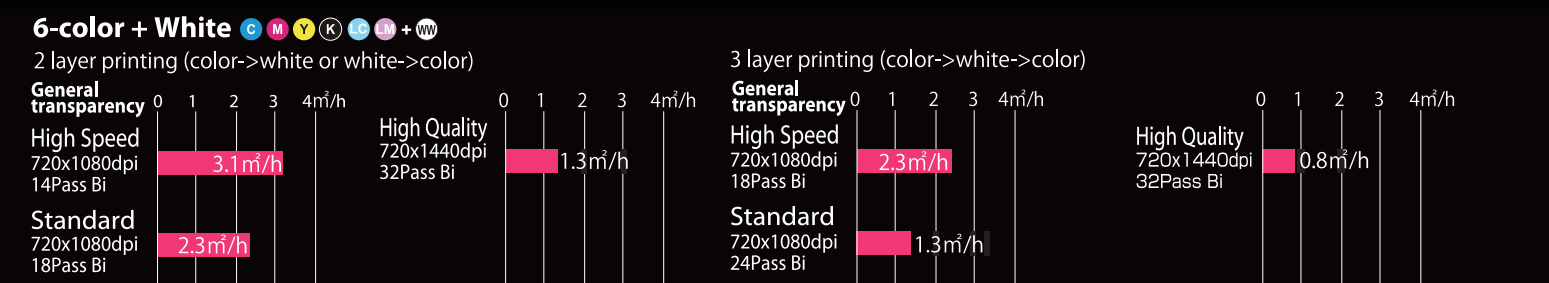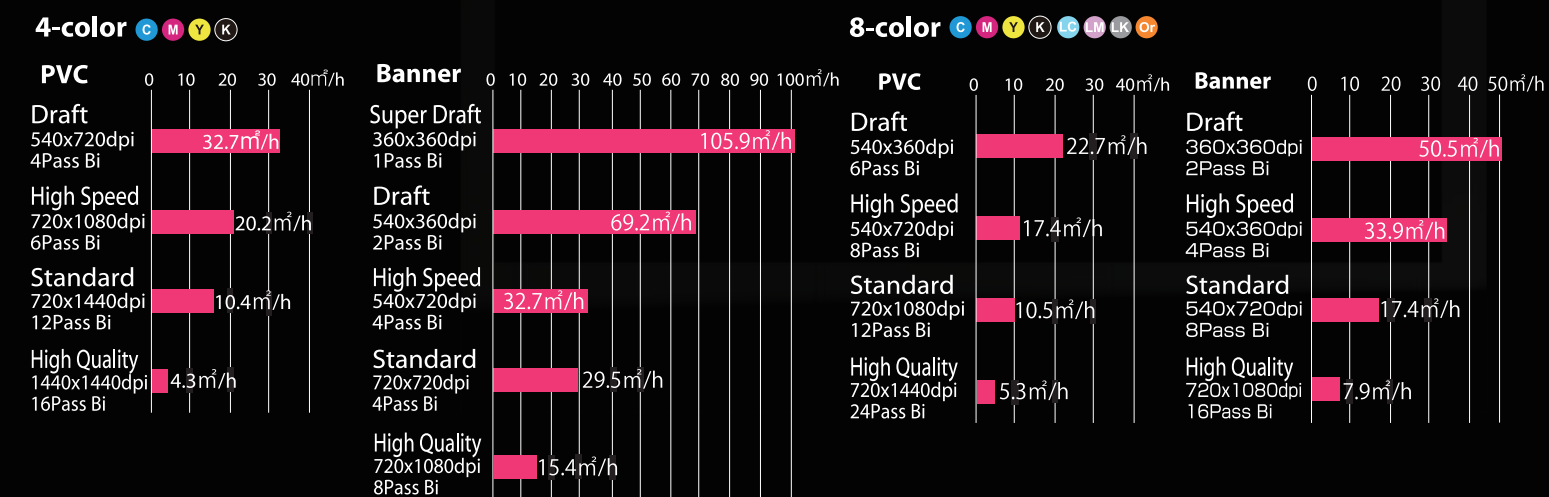
Equipped with MBIS III (Option) — Operating costs can be lowered by continuous printing with a high-capacity 2L ink pack.