JV33 Series new
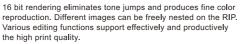## JV33-130 / JV33-160 / JV33-260

Mimaki

New generation output software with 16 bit rendering (bundled item)

The high performance RIP software is designed to fully enable all advanced features of the JV33 series printer.

16 bit rendering eliminates tone jumps and produces fine color reproduction. Different images can be freely nested on the RIP. Various editing functions support effectively and productively the high print quality.
Able to network in hybrid environments where Windows and Macintosh co-exist.

【8 bit rendering】
Tone jumps are likely to occur

【16 bit rendering】
Smooth gradation without tone jumps

RasterLink Pro4 SG

Being Beautiful Is Not Enough.
High Quality & High Speed. Ultimate Cost Performance Achieved By JV33 Series.

■Specifications

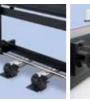| Item		Specifications		
		JV33-130	JV33-160	JV33-260
Head		On-demand Piezo head （180nozzles x 8 lines) x 1 head		
Maximum print width		1,361mm (53.5")	1,610mm (63.3")	2,632mm (103.6")
Printing resolution		540、720、1440dpi		
Printing mode		540 x 720dpi, 540 x 900dpi, 540 x 1080dpi		
(scan x feed)		720 x 540dpi, 720 x 720dpi, 720 x 1080dpi, 720 x 1440dpi		
		1440 x 1440dpi		
Ink	Kind	Exclusive Solvent ink: ES3 ink, SS21 ink		
		Exclusive aqueous pigment ink		
		Exclusive dye sublimation ink		
	Capacity	4-color mode:440cc cartridge x 2/color, 880cc/color		
		6-color mode:440cc cartridge x 1/color, 440cc/color		
Media	Size	1,371mm (53.9")	1,620mm (63.9")	2,642mm (104.0")
	Roll weight	Less than 25kg (55.1lbs.)		Less than 100kg (220lbs.)
	Print surface	Face out		
	Roll inside diameter	2 inch or 3 inch		
Media cutting		Cutting on Y direction by cutter at the head		
Media heater		Triple stage intelligent heater (Pre/Print/Post)		
Media Take-up device		Roll take-up device (standard), inside/outside selectable		
Interface		USB2.0		
Applicable standards		VCCI Class A, FCC Class A, UL 60950-1		
		CE Marking （EMC directive, low voltage directive）、CB report		
Power		AC100 ～ 120V±10%, AC220 ～ 240V±10%、 50/60Hz±1Hz		
Power consumption		Less than 1,440 VA		Less than 1,440 VA×2 plugs
Operation environments		Usable temperature：20° C ～ 35° C (64～95° F), Humidity：35～65%Rh (No condensation)		
Dimensions (W x D x H)		2,289 x 739 x 1,424mm (90.1" x 29.1" x 56.1")	2,538 x 739 x 1,424mm (99.9" x 29.1" x 56.1")	3,650 x 1,302 x 1,424mm (143.7" X 51.3" X 56.1")
Weight		145kg (320lbs.)	160kg (353lbs.)	450kg (992lbs.)

■Supplies

Item		Item No
SS21 Solvent ink	440cc	SPC-0501 Y/M/C/K/LM/LC
	220cc	SPC-0504 Y/M/C/K/LM/LC
	2liters*	SPC-0588 Y/M/C/K/LM/LC
ES3 Eco solvent ink	440cc	SPC-0440 Y/M/C/K/LM/LC
Aqueous pigment ink	220cc	SPC-0494 Y/M/C/K/LM/LC
Sb52 dye sublimation ink**	440cc	SPC-0584NK/K/RK/BL/M/Y/LBL/LM
	2liters*	SPC-0585NK/K/RK/BL/M/Y/LBL/LM
Wiper kit 33S	10 pcs	SPA-0134
Waste ink bottle (2L)	1 pc	SPA-0117
Cutter blade assy	1 pc	SPA-0107
MS cleaning cartridge	220cc	SPC-0294
Head cleaning cartridge	220cc	SPC-0188S

* 2liter ink packs can be used with the bulk ink system.
** Sb52 ink has three types of black ink: Normal black (NK), Deep black(K) and Reddish black (RK).

■Option

Item		Item No
MBIS（Mimaki Bulk Ink System）	JV33-130/160/260	OPT-J0210
Drying and exhaust unit 130	JV33-130	OPT-J0129
Drying and exhaust unit 160	JV33-160	OPT-J0130
Drying fan unit 260	JV33-260	OPT-J0205
Rear fan unit 260	JV33-260	OPT-J0206
LED unit 260 for double sided prints	JV33-260	OPT-J0207
Static-cling prevention sheet kit 260	JV33-260	OPY-J0209

1. Drying fan   2. Exhaust fans   3. Rear fans   4. Exhaust curtain
"Drying and exhaust unit" includes all of 1, 2, 3 and 4.

Maximum Printing Width 1,361mm
JV33-130

Maximum Printing Width 1,610mm
JV33-160

Maximum Printing Width 2,632mm
JV33-260

printed in Japan DB10289-01

Solvent Ink   Aqueous Ink

State-of-the art inkjet technology makes enhanced high quality / high speed performance a reality. Introducing an affordable, high performance, multifunction, solvent inkjet printer.

Overcoming the previously held misconceptions about solvent inkjet printers, the JV3 series has achieved enormous popularity ever since its release. Following in the footsteps of this revolutionary machine, the JV33 series was created. In addition to various enhancements which bring out a high quality print of 1440 dpi, the new JV33 series has increased print speed. With its goal to achieve ultimate cost performance, Mimaki's flagship product has established high standards which set it apart from the competition.

Unique inkjet technology makes ultra-high resolution and high-speed printing possible

Compatible with high resolution and high speed
Newly developed high-speed print head

A newly developed high-speed print head containing 180 nozzles x 8 lines, allows for ease of assembly and calibration. With it's increased print head accuracy the JV33 delivers truly high quality print of 1440 dpi. In addition, the improved ink-firing frequency has improved the print speed by 30% over the JV3 series. Print quality in 4-color bi-directional mode is also improved using a "symmetric ink arrangement".

■ Print speed

Model		High speed mode 540×720dpi 4pass Bi-directional		Standard mode 540×1080dpi 6pass Bi-directional		High quality mode 720×1440dpi 8pass Bi-directional	
JV33-260	4 color	4pass	18.3	6pass	12.7	8pass	7.7
	6 color	8pass	9.7	12pass	6.6	16pass	3.6
JV33-160	4 color	4pass	17.5	6pass	11.9	8pass	7.4
	6 color	8pass	9.0	12pass	6.1	16pass	3.4
JV33-130	4 color	4pass	16.7	6pass	11.4	8pass	7.1
	6 color	8pass	8.6	12pass	5.8	16pass	3.2

(unit：m²/hour)

The new UISS improves operating performance by allowing continuous unattended printing

In case of Magenta / A red light is displayed when a cartridge is out of ink the machine switches automatically to a new cartridge.

Automatic ink cartridge switching allows for longer print runs
UISS (Uninterrupted Ink Supply System)

UISS for continuous printing is standard on JV33 machines. The JV33 can utilize two cartridges per color in 4-color mode. When the ink cartridge runs out, another cartridge begins supplying ink and helps prevent running out of ink. A maximum of 880cc ink per color can be loaded at one time. With 880cc of ink loaded at one time, a 50m (54yd) roll of media can be printed without interruption. Ink cartridges can be changed during printing.
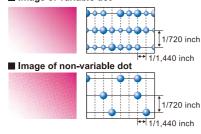
*UISS can not be used in 6-color mode.

Creative inkjet technology and high quality ink provides ultra-high resolution printing

■ Image of variable dot

1/720 inch
1/1,440 inch

■ Image of non-variable dot

1/720 inch
1/1,440 inch

Print heater Print head Pre-heater Media Post-heater

Create ultra-high resolution print
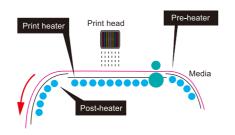#### Piezo inkjet system

Precise control of ink firing reproduces details of photo image at a maximum resolution of 1440 dpi. Even edges of 4-point text are printed sharp and clear.

4-color mode realizes non-grainy finish
Variable dot technology

By producing dots in three different sizes, smooth high resolution graphics are created without a grainy appearance. Even at high speed and in low resolution mode high quality printing is possible.

Ink performance is improved
Triple stage intelligent heater

A triple stage intelligent heater automatically heats up the media to the appropriate temperature, thus improving the performance of ink. A newly mounted Post-heater quickens drying time and thus enables a fast take-up of the media.

A variety of inks, including white, enables you to create a wider range of graphics

From user-friendly solvent inks to aqueous inks
Four types of inks available

The two solvent inks feature high scratch resistance, high density, wide color gamut and high safety (Cyclohexanon-free). You may also select aqueous pigment ink or dye sublimation ink at the time of installation.

Solvent ink		Aqueous ink	
SS21 Ink	ES3 Ink	Pigment Ink	Dye Sublimation Ink
Fast drying ink provides the ability of printing on various types of media with high scratch resistance.	Virtually odorless and user-friendly ink that does not require any special ventilation.	Ink which has high light fastness and can reproduce vivid and delicate color tones.	Fast drying and high density ink for sublimation transfer to polyester substrates.

More vivid graphics
Full color and white ink (SS21) print

The "White Ink Overlay Print," Mimaki's exclusive innovation, allows for simultaneous white and full color printing and realizes a beautiful finish with accurate overlay. Printing with white ink onto transparent or opaque substrates creates vivid full color graphics.

6-color print

6-color + white ink print

White Ink

Additional features and benefits to improve operation performance

High volumes and lower ink costs
MBIS (Mimaki Bulk Ink System)

The bulk ink system using ink packs of aluminum achieves as stable and reliable ink ejection as printing solely with cartridges. It is possible to use both 2-liter ink packs in combination with regular 220/440cc cartridges for colors that are not so often used. In-end detection function to prevent misprints without ink is also available. The bulk ink system is an eco-friendly ink system that produces less waste while achieving continuous printing.

Stable print quality
Head height adjustment

Head height can be adjusted to either 2mm or 3mm according to the media thickness. For the aqueous ink model, head height adjustment of either 4mm or 5mm* is available.

* adjustment by technician is required.

JV33-260 new functions to maximize printing potential

New function to revolutionize billboard signs
Double sided printing

Images on billboard signs are usually dark under daylight because they are printed twice. However, by printing both sides of banner, it is possible to create brighter and more vivid images in any lighting condition.

Penetrating light (natural color by lighting inside)   Reflective light (duplex print)   Printing the same side twice

Stable feeding of various heavy media
Automatic media feeder

The feeding and take-up device can securely feed heavy media with a maximum width of 2.6m (103"). Heavy media up to 100kg (220lbs.) can be fed with constant tension by means of the tension bar and the winding device. For less wide and lighter media, a standard take-up device is also available.