

Large format UV-curable flatbed inkjet printer

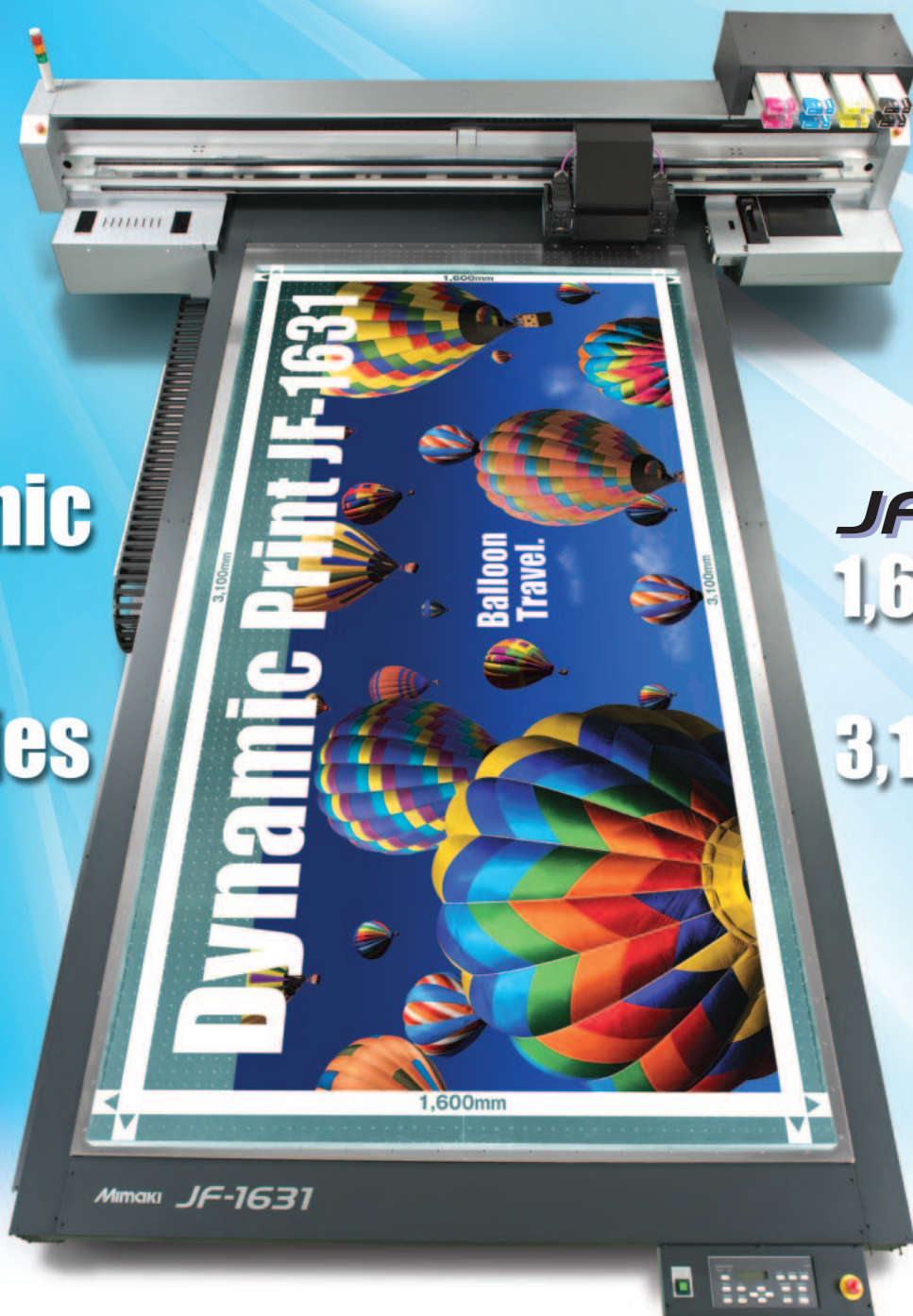
JF Series

new
JF-1610/JF-1631

Mimaki

Direct printing on large, rigid substrates with brilliant color.

Dynamic Print JF Series



JF-1631 1,600mm × 3,100mm

High quality, direct digital printing is possible even on large uncoated substrates. Introducing JF Series: Mimaki's large format, UV-curable flatbed inkjet printer.

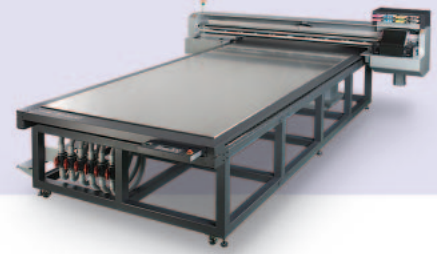


JF Series is the large format, UV-curable inkjet printer with the versatility to print on numerous uncoated substrates including corrugated plastics, polyacrylics and uneven or irregular media. With a maximum resolution of 1200 x 1200 dpi, JF Series is suitable for both sign graphics with a long viewing distance and POP displays. Using the standard white ink, JF Series can print bright, vibrant color even on transparent media. With the newly developed clear liquid, you can achieve a high-gloss finish while also improving color-fastness. JF Series is equipped with dual UV lamps, enabling high speed, bi-directional printing. This is the flatbed of the future.

With the use of white ink, vivid images and color contrast are achieved.



JF Series gives you the edge in productivity. The large 1.6m × 3.1m (5' × 10') bed is perfect for printing on one big piece or many small pieces, whatever your business requires.



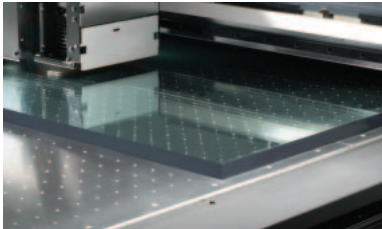
Vacuum table

The powerful vacuum system holds media flat and stationary, keeping it fixed securely so you can print with high accuracy even on heavy or easily misaligned substrates.



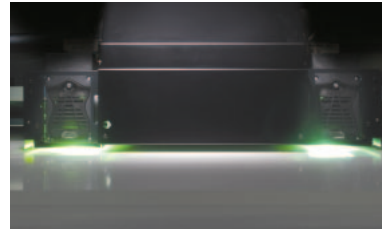
Multiple materials can be set.

The materials can be arranged independently and highly accurate positioning is possible. You can print the entire 1.6m x 3.1m (5' x 10') bed at one time, whether on one big piece or many small pieces and respond to large orders efficiently.



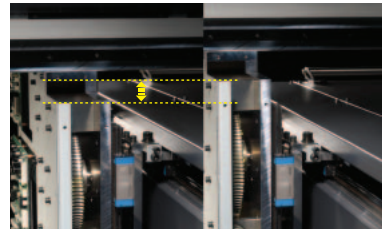
Thick materials

With a maximum printing thickness of 50mm(2"), you can print directly onto thick materials and materials with uneven surfaces.



Dual UV lamps

JF Series has UV lamps installed on both sides of the print head, allowing higher production speeds with bi-directional printing. This helps contribute to the machine's high productivity.



Y-Bar Height-Adjust Mechanism

The electronically controlled Y-Bar Height-Adjust Mechanism allows any user to easily adjust the height of the print head for various media, thick or thin.

Other features and functions

- With a maximum resolution of 1,200 x 1,200 dpi and variable dot printing (6 pl minimum dot size), JF series deliver near-photographic image quality.
- Clear liquid provides a glossy finish on the media and improves color fastness.
- Built-in automatic head protection function prevents head strikes and crashes due to media distortion.
- With UV technology, the inks are completely cured (dried) on the printer, prints can be handled immediately.
- With the installed IC chips, ink levels can be checked at a glance.
- You can select either an 8-color set or a 4-color set.
- With the installed roll hanger, you can print rolled substrates as well.

Specifications

Item	Specifications	
	JF-1631	JF-1610
Head	Piezo-electric drop on-demand	
Resolution	600 x 600dpi, 1200 x 1200dpi	
Ink	Exclusive UV curable ink (7 colors: Yellow, Magenta, Cyan, Black, Light magenta, Light cyan, White)+Clear	
Ink volume	400cc /cartridge	
	4-color print mode: 440cc x 2 cartridges /color, 8-color mode: 440cc x 1 cartridge /color	
Effective printing area	1,602 x 3,100mm (63.0" x 122.0")	1,602 x 1,016mm (63" x 40.0")
Perpendicularity	±0.5mm/1,000mm	
Media	size	1,694 x 3,194mm (66.6" x 125.7")
	Thickness	Less than 50mm (1.96")
	Weight	Less than 200kg (441lbs)
Media set device	Air suction by blower	
UV device	Equipped with 2 sets of UV lamp	
Interface	USB2.0	
Applicable standard	VCCI class A, CE Marking, CB Report, UL, RoHS Directive	
Power specifications	AC200~240V±10%, 50/60Hz±1Hz, less than 30A	
Power consumption	Less than 6.0KVA	
Operational environment	Temperature	15°C ~ 30°C (59°F ~ 86°F)
	Humidity	35% ~ 65% Rh
	Accuracy guarantee temperature	18°C ~ 25°C (64°F ~ 77°F)
	Temperature gradient	Less than ±10°C/h (18°F)
Dust	Equivalent to normal office level	
Weight	Less than 1,150kg (2,533lbs.)	Less than 1,050kg (2,313lbs.)
Dimensions (W x D x H)	3,380 x 4,230 x 1,350mm (133.1" x 166.6" x 53.2")	3,380 x 2,005 x 1,350mm (133.2" x 79.0" x 53.2")

Supply items

Product name	Color	Product No.	Remarks
Exclusive UV ink	Cyan	SPC-0371C	1 cartridge: 440 cc (effective volume: 400 cc)
	Magenta	SPC-0371M	
	Yellow	SPC-0371Y	
	Black	SPC-0371K-2	
	Light cyan	SPC-0371Lc	
	Light magenta	SPC-0371Lm	
Clear liquid	White	SPC-0371W-3	
	Clear	SPC-0371CL	

Matters to note regarding media and ink

☉ Ink performance of materials

- Post-printing ink property performance (adhesion, weather durability, etc.) varies according to the material.
- If printing materials other than those described are to be used, please test the materials first.
- Adhesion performance differs according to the material. Thus, there are cases in which optimization of ink and anchor coat/overcoat is necessary.

☉ UV lamp

- A characteristic of UV lamps is that their illuminance deteriorates over time. The illuminance declines by about 30% after about 1,000 hours of use.

Note: Although using a UV lamp after 1,000 hours is possible, illuminance gradually decreases. Frequent curing and illuminance checks are therefore recommended.

•All trademarks or registered trademarks are the property of their respective owners. •Specifications are subject to change without notice. •Some of the screens and printing samples in this catalog are artificial renderings. •Inkjet printers print using extremely fine dots, so colors may vary slightly differ following replacement of the printing heads. Also note that if using multiple printer units, colors may slightly differ among the units due to slight individual differences among the units.

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