MUTOH

February 25th, 2026

Eight-color eco-solvent printer XpertJet 1681SR Pro — launching in Japan and Asia

Smooth, vivid color expression achieved with eight-color configuration,
AccuFine HD Pro print head,
and the latest printing control system, i-Screen EX System

MUTOH INDUSTRIES LTD.

MUTOH INDUSTRIES LTD. (Headquarters: Setagaya-ku, Tokyo, President: Yasuhiko Isobe; hereafter referred to as "MUTOH"), is pleased to announce that its eight-color 1.6 m wide eco-solvent printer XpertJet 1681SR Pro, equipped with the AccuFine HD Pro print head, will go on sale starting March 4th in Japan and Asia. Following its initial launch, this model will be released sequentially in the United States, Australia, and the EMEA region.

XpertJet 1681SR Pro is a newly designed, single-head printer model that supports an eight-color ink configuration and is equipped with the latest eight-channel AccuFine HD Pro print head, as well as the i-Screen EX System print control system. Moreover, this model achieves productivity of 8.79 m²/h in the Production printing mode. With stable print control, it delivers smooth, natural gradation using Light inks, along with warm, vivid color reproduction enabled by Orange ink, achieving beautiful and impactful prints ideal for sign graphics.

XpertJet 1681SR Pro delivers "Made in Japan Quality" to a variety of markets, including indoor and outdoor signage, exhibition graphics, car wrapping, and POP advertising.

XpertJet 1681SR Pro

64"/1,625 mm wide eco-solvent printer
Single head 8 colors（CMYKLcLmLkOr）

Main product characteristics

◆Equipped with AccuFine HD Pro print head

The latest AccuFine HD Pro print head has eight ink-jetting nozzle rows with one row for each color. The expressive potential of eight-color inks is fully realized by a high-density print head capable of a highly precise control of ink droplets. Light inks deliver natural, smooth gradation, while the addition of Orange inks enhances warm, vivid colors.

Nozzle formation illustrated
・Total number of nozzles: 3200
・Ink supply: 8 channels

◆ MUTOH genuine eco-solvent ink MS41

The printer uses MS41 eco-solvent ink, which boasts excellent color development, outdoor durability, and ease of maintenance. With its eight-color configuration (CMYK plus Light colors and Orange) this ink achieves smooth color gradation and a wide gamut.

MS41 ink has earned the UL GREENGUARD Gold certification, a U.S. environmental standard, and is certified to not release harmful chemicals into the surrounding areas. This ink is environmentally responsible and operator friendly.

◆Print control system i-Screen EX System

The latest print control system, which enables more advanced print effects, has been newly optimized to support an eight-color configuration. While drawing out the enhanced vibrancy made possible by the increased number of colors, careful attention has also been given to color gradation, contributing to stable and high-quality printing.

i-screen EX System

◆Print speed
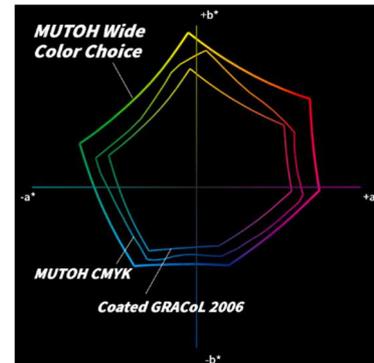
This printer achieves a productivity of 8.79 ㎡/h in the Production printing mode.

■ 8 colors (C,M,Y,K,Lc,Lm,Lk,Or), recommended speed modes

Mode	Productivity
Banner (900x600/8P/BiD/460cps)	13.16 ㎡ /h
Production (900x900/12P/BiD/460cps)	8.79 ㎡ /h
Quality (900x900/12P/BiD/320cps)	6.54 ㎡ /h
High Quality (900x1200/16P/BiD/320cps)	5.02 ㎡ /h

◆Original input profile MUTOH Wide Color Choice

The original wide color gamut profile MUTOH Wide Color Choice focuses on dark color areas, expanding the range of color reproduction. It maximizes the ink color reproduction, delivering more vivid "reds" and deeper "blacks."

Other features

◆Take-up unit

30 kg Take-up: IJ-TUP30-01

- 30 kg synchronous torque-controlled take-up unit
- Maximum roll-up diameter: Ø150 mm
- Gentle handling of thin media – Automatic Start/Stop linked to printing

40 kg Take-up: VJ16/19-TUP40U

- Rotation speed – Stepless speed adjustment
- 3-Step Torque Setting
- Maximum roll-up diameter: Ø250 mm

*Additionally, a heavy-duty take-up unit for media up to 100 kg is also available.

◆Ease-of-use functions for automation

DropMaster 2 and FEED MASTER

Automatic Bi-D adjustment and Automatic media feed correction for each paper type is automated thanks to both of these functions, reducing operator's workload.
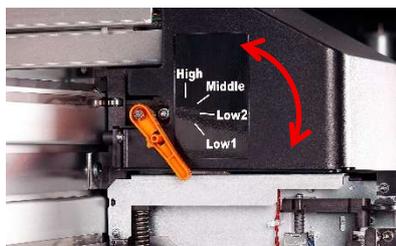
◆Ease-of-use functions for efficiency

Media Tracker and Nozzle Area Select

 The Media Tracker function, which uses barcodes to manage the remaining amount of roll media, allows for efficient media use and reduced waste. The Nozzle Area Select function, which selects the nozzle area where printing is normally performed, allows you to continue printing without downtime even if a nozzle becomes clogged.

◆One-touch print head adjustment function

 The print head height can be easily adjusted to four levels (1.5 mm, 2.0 mm, 2.5 mm, 4.0 mm) by operating the lever. By selecting the print head height that is optimal for the media you are using, compatibility with the media is improved, the risk of contact is reduced, and consistent print quality is achieved.

Exhibition information

XpertJet 1681SR Pro will be exhibited at the following events:

 Asia — APPP EXPO 2026 (Shanghai, China), March 4–7, 2026

 USA — ISA Sign Expo 2026 (Orlando, Florida), April 8–10, 2026

 EMEA — FESPA Global Print Expo 2026 (Barcelona, Spain), May 19–22, 2026

Product specifications

Model		XPJ-1681SR-P
Print head	Print method	On-demand piezo drive system
	Head height	Low1: 1.5 mm, Low2: 2.0 mm, Middle: 2.5 mm, High: 4.0 mm
	Number	1
Media	Roll media width	Maximum: 1,625 mm Minimum: 500 mm
	Max. media thickness	Recommended 1.0 mm or less
	Diameter	Ø200 mm or less
	Core diameter	2 or 3 inches
	Weight	30 kg or less
Maximum printable width		1,615 mm
Ink	Type	Eco-solvent ink MS41
	Color	8 colors (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, Light Black, Orange)
	Capacity	1,000 ml ink bag, 300 ml ink bag (Orange only)
Interface		Gb-Ethernet (1000BASE-T)
Power supply		Voltage: AC 100–120 V ±10 % / AC 200–240 V ±10 % Frequency: 50/60 Hz ±1 Hz
Environmental conditions	Printer operation	Temperature: 20–32 ℃ Humidity: 40–60 % RH no condensation
	Accuracy guaranteed	Temperature: 22–30 ℃ Humidity: 40–60 % RH no condensation
Power consumption	Operation	812.0 W or less（Peak: 2.3 kW or less）
	Ready to print	52.0 W or less
Dimensions (W×D×H)		2,770 mm x 895 mm x 1,611 mm (with 1,000 ml ink cases installed)
Weight		174 kg（Body: 142 kg Stand: 32 kg）
RIP software		Genuine RIP software VerteLith

*Specifications are subject to change without notice.

MUTOH aspires to be a corporate group that is constantly evolving, creating value, and continuing to provide "reliability" and "trust" to its users. By bringing XpertJet 1681SR Pro to the market, MUTOH will continue to respond to the diverse needs of its customers.

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