

Impressive print speed and high image quality – MUTOH's first
Printer/Cutter
630mm wide eco-solvent printer XpertJet C641SR Pro is now
available for sale

MUTOH INDUSTRIES LTD.

MUTOH INDUSTRIES LTD. (Headquarters: Setagaya-ku, Tokyo, President: Yasuhiko Isobe; hereafter referred to as “MUTOH”), a subsidiary of MUTOH HOLDINGS CO., LTD. that develops, manufactures, and sells large-format inkjet and 3D printers, is announcing that the new eco-solvent inkjet printer XpertJet C641SR Pro, the first Printer/Cutter in MUTOH’s catalog, will begin its sales in mid-November.

XpertJet C641SR Pro is the lightest and most compact printer in the XpertJet Pro series to date. This printer model, which uses the well-established “AccuFine” print head with high image quality and high productivity, has now been equipped with a newly developed cutting function. With two cutting types (through-cut and contour-cut), four output methods, and three installation styles, this one machine can be used by a wide range of customers and purposes, from beginners and small shop owners to industrial use with small lot sizes.

XpertJet C641SR Pro delivers the highest “Made in Japan Quality” to sticker, decal, indoor and outdoor signs, POP advertising, and apparel markets etc.



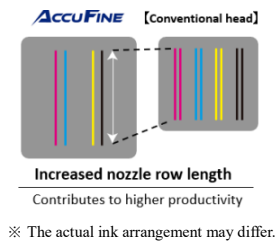
XpertJet C641SR Pro

24"/630mm wide eco-solvent printer
Single head, 4 color (CMYK)

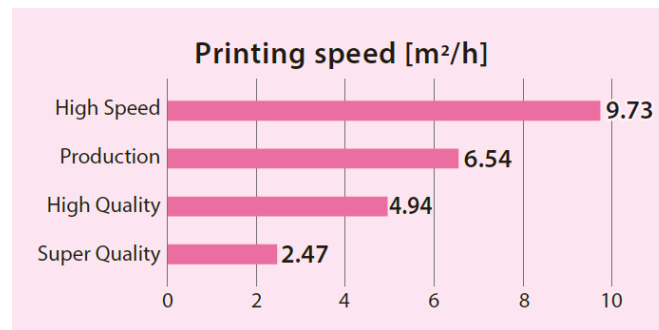
XpertJet C641SR Pro's strong points

Print head

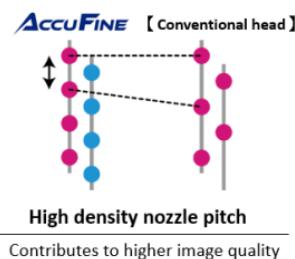
“AccuFine” achieves impressively faster print speeds by significantly increasing the length of the nozzle rows compared to conventional heads.



Printing speed has been increased by up to 2.3 times compared to previous models, significantly improving productivity.



Moreover, the ink droplets are denser than with conventional print heads, which leads to tremendous improvement in ink landing accuracy. By reducing ink landing misalignment, image quality deterioration is reduced, which enables high-quality printing with little banding even at high speeds.



Easy to install, compact printer body



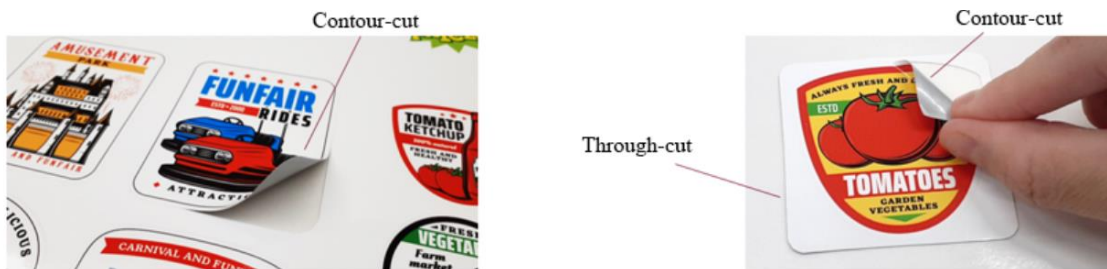
Its compact size and light weight make this printer easy to install, meaning it can be operated according to your preferred style. Use it on a desk top or in a combination of a dedicated stand with a take-up system. This machine can be operated according to your needs even in limited spaces, such as offices or stores.

MUTOH's first ever Printer/Cutter

XpertJetC641SR Pro is equipped with a newly developed contour cutter. This model supports both “through-cut” and “contour-cut” cutting methods which you can use according to your needs. Four output methods can be used as well for a variety of purposes: “print & cut (continuously)”, “print & cut (separately)”, “print only”, and “cut only”. A dedicated cutting mat is installed in the cutting area. The pressure arm used to feed, retract, as well as to securely hold the media in place can be moved and adjusted to suit the media width.

◆ Cutting type

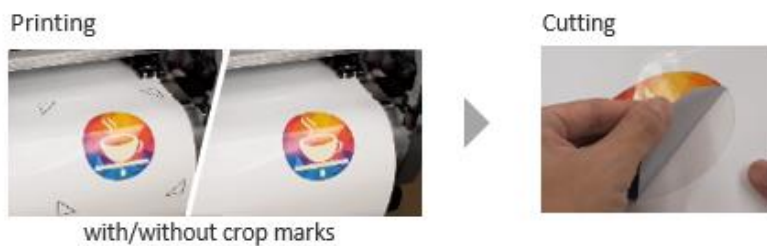
◎Example



◆ Output methods

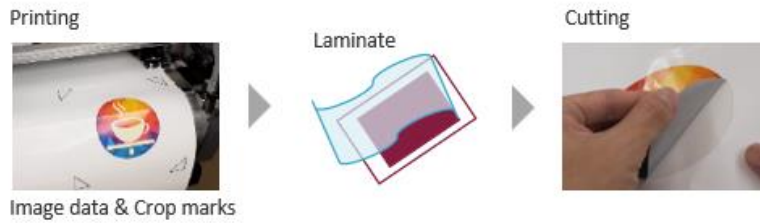
Print&Cut (Continuously)

- After printing, pull the media back and proceed with cutting.



Print&Cut (Separately)

- After printing, remove the media, laminate it etc., then reinsert the media and proceed with cutting.



Print only

- Printing operation only *Optional stand and take-up system can be used together in this case



Cut only

- Cutting letters, silhouette shapes, etc., out of colored paper.



◆ New additions

Contour cutter



Newly developed contour cutter.
Cutting speed: 20-150mm/s
Cutting pressure: 30-300gf

Pressure arms



The two installed pressure arms can be moved to match the width of the media. Pinch rollers and grit rollers on the pressure arms firmly hold the media in place.

Cutting mat



Dedicated mat installed on the platen in the area where cutting is performed. This is a consumable item that can be replaced if

◆ Cut quality settings

You can select between three types of cut quality settings for curved lines. Choose based on the balance between quality and speed according to the level of curvature of the cut data or the intended use.

Setting	Details
Quality	Prioritize cutting quality over speed
Production	Balance out cutting quality and speed
High speed	Prioritize speed over cutting quality

* Depending on the variations and quantity of curves in the cutting data, there may be no difference in the overall cutting speed.

XpertJet C641SR Pro has the functionality and usability features that many users demand, making daily workflow more efficient.

➤ **Extensive usability features for automation and efficiency:**

- Automatic Bi-Directional adjustment “DropMaster2”

Built-in sensor on the carriage automatically calibrates bi-directional alignments, and saves time and reduces validation in adjustment among different operations.

- Automatic media feed adjustment “FEED MASTER”

A printing pattern is printed and read by a sensor to automatic media feed correction.

- Media roll balance management “Media Tracker”

Before replacing the media, a barcode indicating the remaining amount is printed on the media. When it is loaded, the barcode is read to determine the remaining amount media. This makes the management of multiple media rolls more efficient.

- Origin position setting

The print position can be changed on the printer, so media space can be used without waste.

➤ **Two-stage head height adjustment function:**

By selecting the optimum print head height and improving compatibility with media, the risk of contact is reduced and stable print quality is achieved.

Software • services

➤ **Genuine RIP software VerteLith**

Convert data from different graphic applications into a format that can be printed and send it as print/cut data.



➤ **MUTOH Status Monitor**

Check printer status and operate your printer on PC. You can also check your printing history and costs.



➤ **MUTOH Club**

Free cloud service that offers MUTOH printer users access to important resources, including new software.



Ink

The ink in use is the four-color VJ-MS31 eco-solvent ink (cyan, magenta, yellow, and black), which has excellent color development, weather resistance, and is easy to maintain.

VJ-MS31 ink is GREENGUARD Gold certified (U.S. environmental standard) and is proven not to release harmful levels of chemicals into its surrounding area.



By bringing XpertJet C641SR Pro to the market, MUTOH will continue to respond to the diverse needs of its customers.

Contact

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Product specifications

Printer model		XPJ-C641SR-P
Print head	Print method	On-demand piezo drive system
	Head height	Low: 1.5mm / High: 2.8mm
Media	Width	Max. 630mm, but only within the following limits 198-228mm, 283-313mm, 344-374mm, 394-424mm, 444-474mm, 494mm-524mm, 602-630mm
	Max. thickness (printing)	0.4mm (Head height: Low) *Maximum media thickness that can be installed : 0.8 mm.
	Max. thickness (cutting)	0.4mm (with liner), 0.22mm (without liner)
	Diameter	150mm or less
	Core diameter	2 inches or 3 inches
	Weight	9kg or less
Max. printing/cutting width		600mm
Cutting speed		20~150 mm/sec
Cutting force		30~300 gf
Cut quality		3 levels (Quality, Production, High Speed)
Ink	Type, color	Eco-solvent VJ-MS31, 4 colors (CMYK)
	Capacity	220ml cartridge / 1,000ml ink pack
Interface		Ethernet (10BASE-T / 100BASE-TX)
Power supply		AC100V~120V±10% / 200V~240V±10% Frequency: 50/60 Hz ± 1Hz
Environmental condition		System requirements: Temperature 20~32°C, Humidity 40%~60% (no condensing)
Power consumption		Operation: 215W (800W peak) Sleep mode: 13W or less

External dimensions	W 1,190 mm x D 438 mm × H 366 mm
Weight	Printer body: 34 kg, Stand (optional) 8.7 kg
RIP software	VerteLith (MUTOH Genuine RIP software)