

For Immediate Release

**High productivity, high image quality, and ability to print on various media**

## **NEW Flatbed UV-LED printer, XpertJet 1462UF**

MUTOH INDUSTRIES LTD.

MUTOH INDUSTRIES LTD., a leading manufacturer of wide-format inkjet printers, affiliated with MUTOH HOLDINGS CO., LTD. today announces the release of the XpertJet 1462UF, a flatbed UV-LED printer with a table size of 1,420 mm (55.9") x 700 mm (27.5"), which combines high productivity and high image quality to meet diverse user needs.

The XpertJet 1462UF is equipped with two newly developed 4-inch UV-LED lamps and staggered dual print heads with independent CMYK and white/varnish for faster two-layer printing. The highly rigid and precise chassis and MUTOH's unique aluminum rail mechanism deliver high ink dot placement accuracy. The printer supports media up to 1,420 mm (55.9") x 700 mm (27.5"), 150mm (5.9") thick, and 50 kg/m<sup>2</sup> in weight. The table unit is equipped with a 4 zone vacuum table with 4-stage suction force control, and service holes for fixing jigs, allowing greater flexibility in media selection.

The XpertJet 1462UF brings the best "Made in Japan Quality" to various markets such as personalized items, store decoration, sign, industrial products and more.



## ***XpertJet* 1462UF**

55" x 27" / 1,420mm x 700mm flatbed UV-LED printer

Dual head: 6 colors (KCMYWhVa)

## Key Features of the XpertJet 1462UF

Both high productivity and high image quality in bi-directional printing enable faster 2-layer printing

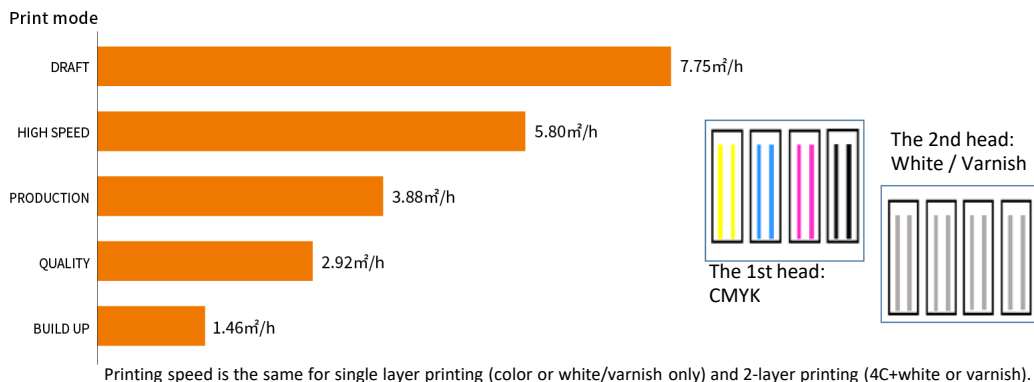
### ➤ Two new 4" wide UV LED lamps

Newly developed 4-inch wide UV-LED lamps are placed on both sides of the print head. Combined with "UV-LED local dimming control technology," which individually controls the UV-LED lamp irradiation for each segment according to the printing conditions, it achieves optimal ink curing even in bi-directional printing.



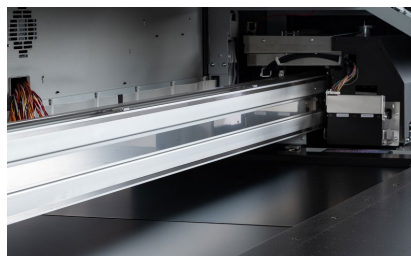
### ➤ Dual print heads in a staggered setup

Staggered dual print heads ensure high productivity. The first head prints CMYK, the second head prints white/varnish, which enable 2-layer printing without speed loss. It is also ideal for braille and 2.5D structure prints. \*ADA-compliant Braille printing will be supported in North America.



### ➤ Highly rigid & high-precision chassis

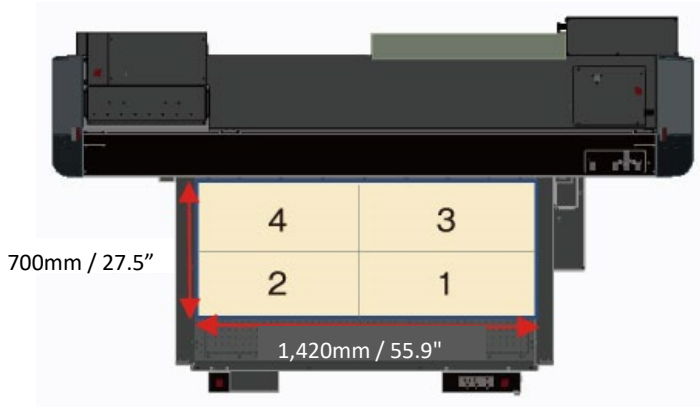
Highly rigid and precise chassis and adjustment of MUTOH's high precision aluminum rail mechanism deliver high ink dot placement accuracy. It enables stable and high-quality printing.



Ability to print on various media allows you to meet diverse user needs

➤ **4 zone vacuum table**

The XpertJet 1462UF has both sufficient table area and strength, it is capable of printing on heavy or thick media. The media size of 1,420mm x 700mm (55.9" x 27.5") supports a wide range of applications from large signage to small item printing. It improves productivity and shortening delivery time. The 4 zone vacuum table can be configured for single or multi area vacuum suction securing virtually any media in place. Select from four levels of suction force (strong, medium, low, and off).



Suction fan control panel

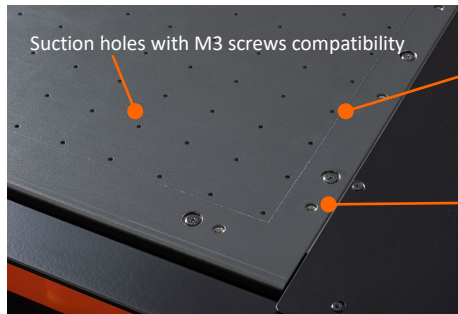


Foot switch for turning table vacuum on and off

Designed for ease of use to improve operability

➤ **Table function for easy media fixation**

Suction holes and predrilled holes outside the printable area can be used to secure custom jigs. In addition, unique ferromagnetic table easily secures a variety of products with magnets.



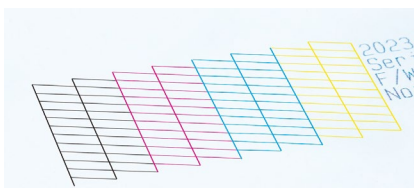
Suction holes with M3 screws compatibility

Marking line for positioning

Holes for mounting jigs compatible with M4 screws

➤ **The simple nozzle check function**

Even after the jig and media to be printed are set on the table, nozzle check can be performed at any time in a dedicated area next to the print table.



Other key features of the XpertJet 1462UF are as follows.

➤ **Ease of use**

- Signal tower light  
The status of the printer can be checked at a glance from a distance.
- Automatic nozzle checking unit  
Automatically detects missing nozzles and performs nozzle cleaning.
- Nozzle area select  
Nozzle area select temporarily prints using selected areas of active nozzles when clogged nozzles fail to recover.
- Automatic media detection  
The onboard laser sensor automatically detects media thickness.
- Ink circulation system  
Three circulating pumps for white, black and yellow inks are installed to ensure stable color reproduction.
- Ionizer (optional)  
Optional ionizer neutralizes static charges on the media surface to support stable printing.

➤ **MUTOH genuine RIP software Vertelith**

Genuine RIP software that achieves unmatched image quality and workflow efficiency.

➤ **MUTOH Status Monitor**

Software that enables checking of the printer operation status from a computer in real time.

**Introduced the next-generation UV-LED ink; US61**

US61, a newly developed environmentally friendly UV ink is available for the XpertJet 1462UF. The ink complies with the latest chemical substance regulations in the EU, which has strict environmental regulations. In addition, in anticipation of future regulations, it is free of substances classified as CMR Category 1 (1A, 1B)\* and SVHC (substance of very high concern). This is a next-generation UV ink that takes into consideration the health of operators and the environment. In addition, it combines "flexibility" and "scratch resistance" at a high level, which have been trade-offs in conventional UV inks, making it suitable for a wide range of applications.

\*CMR refers to substances that are carcinogenic, mutagenic, or reproductive toxic. Category 1 is classified as substances that are carcinogenic, mutagenic, or reproductive toxic to humans.

The XpertJet 1462UF will be released sequentially in Japan, the U.S., Europe, Australia, and other countries.

By introducing the XpertJet 1462UF to the market, MUTOH makes continuous efforts to provide diverse needs of customers, such as increased production capacity, high value-added printing, and replacement of screen printing.

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## <Product Specifications>

Model		XPJ-1462UF
Print head	Print method	On-demand piezo drive system
	Height adjustment	Automatic
	Number	2 (staggered)
Media	Printable Area	1,420mm x 700mm (55.9" x 27.5")
	Max. Media Thickness	150mm / 5.9"
	Max. Media Weight	50kg/m <sup>2</sup>
UV lamp	Type	UV-LED
	Amount	2
Ink	Type	UV-LED ink (US61 / UH21)
	Color	6 color ( CMYKWhVa)
	Amount	800ml bag / 500ml bag (UH21 white only)
Print resolution		Max. 1440dpi
Interface		Gb-Ethernet (1000BASE-T)
Power supply		Voltage: AC 100V-120V ±10% / AC 200V-240V ±10% Frequency: 50/60Hz ±1Hz
Environmental condition	Printer Operation	Temperature: 20°C -32°C Humidity: 40%-60% No condensing
	Accuracy Guaranteed	Temperature: 22°C -30°C Humidity: 40%-60% No condensing
Power consumption	Operation	1030W or less
	Sleep mode	44W or less
	Ready to print	Vacuum OFF : 72W or less, Vacuum ON : 300W or less
External dimensions (W) x (D) x (H)		2,770mm x 1,459mm x 1,339mm (109" x 57.4" x 52.7")
Weight		500kg / 1,102lbs
RIP software		VerteLith (MUTOH genuine RIP software)