



Specialty / Industrial



1420 x 700 mm Flatbed Direct-to-Object Printer

The Mutoh XpertJet 1462UF is a 6 colour (C, M, Y, K, Wh, Va) UV LED flatbed direct-to-object printer with moving gantry, offering an impressive **1420 mm by 700 mm table size**. **It can print on items up to 150 mm thick**. Carrying Mutoh’s prestigious “Made in Japan Quality” seal, the 1462UF features a sturdy chassis and a **4-zone magnetic vacuum bed supporting weights up to 50 kg/m²**.

Say goodbye to limitations and hello to excellence! With two staggered print heads for independent CMYK and White/Varnish printing and two brand new 4” wide UV curing lamps, you’ll achieve flawless 2-layer printing without compromising speed.

Experience maximum versatility: the XPJ-1462UF enables simultaneous printing of multiple substrate sizes on the same table. Our genuine VerteLith RIP software integrates multiple features dedicated to UV printing : multi page PDF to support variable data, creation of jigs, emboss printing presets and a structure library with 100 different texture patterns. 2.5D printing made easy!

Product Highlights

- 6 colours – C, M, Y, K, White & Varnish
- 1420 mm (55.9”) x 700 mm (27.5”) table size
- Four zone magnetic vacuum bed - weights up to 50 kg/m²
- Can print on items up to 150 mm (5.91”) thick
- Automated media height & obstacle detection
- Two piezo drop on demand inkjet heads, staggered setup for fast multi-layer printing.
- Two new 4” (101.6 mm) multi-segment UV LED curing lamps
- Automated nozzle check unit reduces loss of prints and downtime.
- Bundled with Mutoh genuine VerteLith RIP software
- Next generation UV LED ink – SVHC & CMR free, stretchable, scratch resistant and wide media compatibility

Application Possibilities

The XPJ-1462UF will cater a wide range of requirements, including 2.5D direct-to-object, industrial, packaging, awards and sign & display printing, including ADA compliant braille. An attractive all-in one solution for screenprinters looking to add digital direct-to-object printing to their workflow and industrial printers wanting to add more versatility and colour to their services.



High quality and high image quality

Two new 4" wide UV-LED lamps

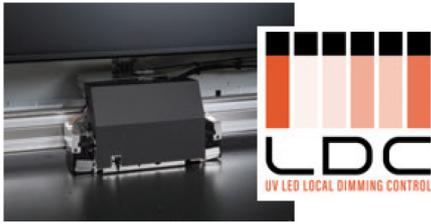
4-inch UV-LED lamps on both sides of the print head enable faster bidirectional printing. Regardless of the print conditions, Local Dimming Control (LDC) always ensures adequate curing.

Dual print heads - staggered setup

The first head jets CMYK, the second head white and varnish : seamless 2-layer printing without sacrificing speed. A perfect setup for applications like braille and 2.5D structure prints..

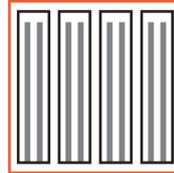
Highly rigid & high-precision chassis

Mutoh's rigid chassis and precise aluminium rail design ensure installation convenience and superior ink dot placement accuracy for stable high-quality printing.



1st head: CMYK

2nd head: white / varnish



Media versatility

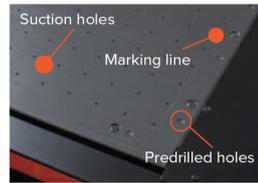
4-Zone magnetic vacuum table

The XPJ-1462UF offers both table space and strength, accommodating heavy or thick media. It opens the door to diverse applications, ranging from small items to larger objects, enhancing productivity and reducing delivery times. The vacuum table features 4 suction force levels (strong, medium, low, and off) to effectively secure various media types.



Max. media thickness: 150 mm / 5.91" Max. media weight: 50 kg/m²

Ease-of-use features



Vacuum table surface

You can use both the suction holes as well as predrilled holes beyond the print area to fix custom jigs or even use magnets to secure your media.



Foot Switch

To keep your hands free for substrate manipulation, the vacuum system can be controlled using a robustly designed foot switch.



Signal Tower Light

The status of the printer can be checked at a glance from a distance.

Auto-nozzle checking unit and Nozzle area select

Detects missing nozzles, attempts recovery via cleaning and activates the Nozzle Area Select function to continue production with limited nozzle area.

Simple nozzle check function

Even after setting up the jig/media on the table and performing thickness measurement, you can still perform a nozzle check at any time in a dedicated area adjacent to the print table.



Next-generation UV LED inks – US61



Create with peace of mind, knowing you're making a sustainable choice. Experience our next generation SVHC¹ and CMR² free US61 inks, gentle on operators and compatible with an extensive range of materials.

¹ Substances of Very High Concern. / ² CMR category 1 - no carcinogenic, mutagenic nor reproduction toxic substances.

Specifications

Printer model	XPJ-1462UF	
Print system	On-demand piezo drive system	
Printing head	Number	2 (staggered)
	Type	UV LED ink (US61/UH21)
Ink	Ink capacity	800 ml bag / 500 ml bag (UH21 white ink only)
	Configuration	6 channels
	Colours	CMYKWhVa
	Printable area	1,420 mm × 700 mm (55.9"×27.5")
Supported media size	1,420 mm × 700 mm (55.9"×27.5")	
Max. media thickness	150 mm / 5.9"	
Max. Media Weight	50 kg/m ²	
Height adjustment	Automatic thickness adjustment	
Print resolution	Max. 1440 dpi	
Interface	GB-Ethernet (1000BASE-T)	
Dimensions WxDxH (mm)	2,770 mm x 1,459 mm x 1,569 mm (109" x 57.4" x 61.77")	
Weight	500 kg / 1,102 lbs	
RIP software	MUTOH genuine RIP software, VerteLith	
Optional	Ionizer bar	

Key Features of US61 ink

- Flexibility and scratch resistance
- Compatible with a wide range of media
- Reduced stickiness after curing
- Highly opaque white ink

