XpertJet 461UF

Flatbed LED UV Printer
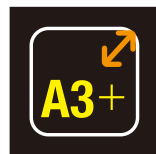
Print size Max.483mm×329mm	Media thickness Max.150mm	CMYK	CMYK White, Varnish
A3+	MAX 150 mm		VA
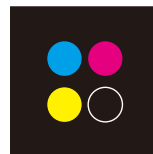
The XpertJet 461UF, compact flatbed LED UV printer debuts from the XpertJet series, with new features, enhancements and ease of use, to support the professionals.

Based on feedback from many users, the XPJ-461UF enables finer texture adjustment and easily achieve realistic value-added printing such as high glossy finish, decoration, etc. with newly developed MUTOH's "LED-UV lamp Local Dimming Technology".

The XPJ-461UF grabs the customer's heart with value-added printing that further enhances product value.

Glossy and matte varnish printing
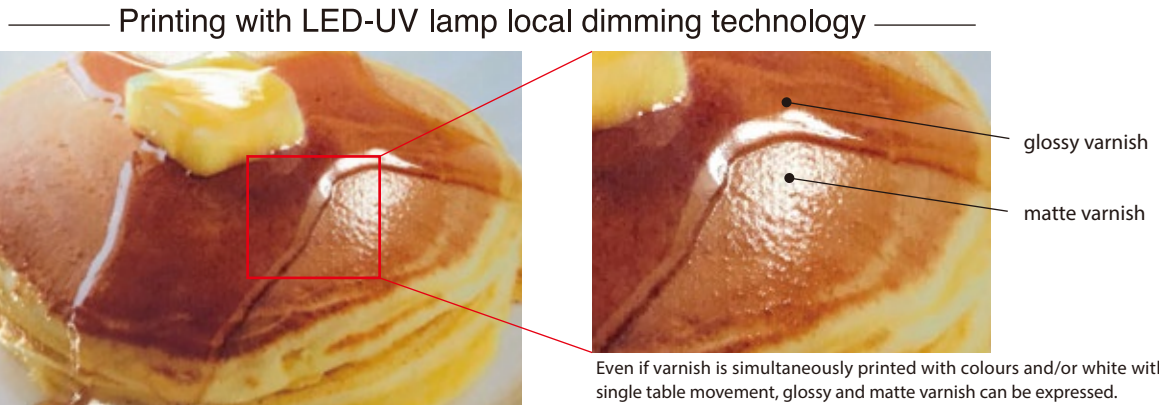

Rich texture expressions by varnish printing

Variable printing

MUTOH's unique LED-UV lamp local dimming technology

The LED-UV lamp local dimming* technology (patent pending) produces various rich texture expression. It provides glossy, semi-glossy, and matte varnish printing simultaneously with colours and/or white printing with a single table movement.

*local dimming=segment control

Printing with LED-UV lamp local dimming technology

glossy varnish

matte varnish

Even if varnish is simultaneously printed with colours and/or white with single table movement, glossy and matte varnish can be expressed.

NEW LED-UV lamp (Mounted from XPJ series) **+ LED-UV lamp local dimming technology** (Patent pending)

Shortens printing time and improves productivity. Reduces graining, banding and layer printing misalignment.

New designed mechanism ensures excellent user experience

Table mechanism for user friendliness

70mm   150mm

Printing onto objects up to 70mm thickness.Optional vacuum table holding thin media is available. Removal table allows printing onto objects up to 150mm thickness.   *Original jig is recommended when removing the table.

High precision rail mechanism

High precision rails on both sides keep the table horizontal and provide consistent print quality.

Expanded opening space

Hydraulic damper

Newly designed front cover with hydraulic damper ensures safety and improves ease of work operation.Expanded the opening space for ease of use and maintenance.

LED touch panel

LED display provides high visibility Electrostatic touch panel improves panel operation.

Print resume function

Enhanced obstacle detection system can pause and resume the printings to reduce waste of media when detecting obstacle.

Partial nozzle block activation

Printing can be performed temporarily using only active nozzle blocks when nozzle clogged.

Enhanced application software

● Output software "Layout and Print Tool2"

Variable data printing New function
Capability on variable data handling helps operators to achieve work efficiency when printing partial variable prints like a ID card

Density test pattern New function
Varnish: Easily print matte and glossy varnish by selecting a certain density from the test patterns
White: Reduce microstructure (mottling) by optimizing ink density

● "MUTOH Windows printer driver" is bundled
● "MUTOH Layer Editor" enables layer printing
● "MUTOH Status Monitor" provides real time monitoring on the printer status

Improved maintenance environment

lamp filter

lamp glass

The maintenance environment around the LED-UV lamp has been renewed to perform daily maintenance more efficiently. In addition, newly adopted print head improves jetting stability and prevents machine trouble beforehand. Removable/replaceable lamp filter is newly adopted in the lamp unit. The removable lamp glass makes easier to clean the surface.

■Specifications

Printing system		On-demand piezo drive system
Set media	Size (WxD)	483mm x 329mm
	Height	up to 70mm (with standard table) / up to 150mm (without standard table)
		up to 70mm (with optional vacuum table)
	Weight	up to 5 kg (with standard table) / up to 8kg (without standard table)
		up to 4kg (with optional vacuum table)
Max printable size (WxD)		483mm x 329mm
Height adjustment		PG handle (handle 1.5mm / round)
Ink	Type	LED-UV ink (UH21 ink / US11 ink)
	Ink set	4 colours (C, M, Y, K) / 6 colours (C,M,Y,K, white, varnish)
	Capacity	220ml ink cartridge (C,M,Y,K, white, varnish)
	No. of slot	6

Print resolution	1440 / 1080 / 720dpi (Total 3 modes)
Interface	Ethernet (10BASE-T / 100BASE-TX)
Power requirements	AC100-120V±10%, 50/60Hz±1Hz
Operation noise	Standby：51dB or less / Printing with standard table：63dB or less / Printing with optional vacuum table：70dB or less
Printable environment	Temperature：20-32℃ Humidity：40-60%RH (non condensing)
Electrical power consumption	Sleep mode：20W or less / Ready to print：40W or less / Operation：195W or less
Dimensions (WxDxH) / Weight	1188 x 972 x 597mm (cover closed) / weight：95kg
	1188 x 972 x 1011mm (Front cover opened)
	1188 x 1025 x 597mm (PG handle cover opened)
Printer Driver	Bundled
RIP software	Optional (SAi FlexiSIGN & PRINT MUTOH Edition, ONYX RIP)

*The specifications are subject to change without notice.