■Specifications

XpertJet		XPJ-461UF	XPJ-661UF
Printing system		On-demand piezo drive system	
Set media	Size (W×D)	483mm×329mm	483mm×594mm
	Height	up to 70mm [with standard table] / 80-150mm [without standard table] up to 70mm [with optional vacuum table]	0 ～ 150mm
	Weight	up to 5kg [with standard table] / up to 8kg [without standard table] up to 4kg [with optional vacuum table]	6kg
Max printable size (W×D)		483mm×329mm	483mm×594mm
Table height adjustment		PG handle (handle 1.5mm / round)	Automatic
Ink	Type	UV LED ink (UH21 ink / US11 ink)	
	Ink set	4 colors (K, C, M, Y) / 6 colors (K,C,M,Y, white, varnish)	
	Capacity	220ml ink cartridge (K,C,M,Y, white, varnish)	
	No. of slot	6	
Print resolution		1440/1080/720dpi (Total 3 modes)	
Interface		Ethernet (10BASE-T / 100BASE-TX)	
Power requirements		AC100-120V/AC200-240V±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	Standby: 49dB or less / Printing with vacuum table: 69dB 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	Sleep mode: 20W or less /Ready to print: 40W or less / Operation: 300W or less
Dimensions (W×D×H) /Weight		1,188mm × 972mm× 597mm [Front cover closed] / weight: 95kg 1,188mm×972mm×1,011mm [Front cover opened] 1,188mm×1,025mm×597mm[PG handle cover opened]	1,188mm×1,627mm×604mm [Front cover closed] / weight: 130kg 1,188mm×1,627mm×1,196mm [Front cover opened]
Printer Driver		Bundled	
RIP software(optional)		VerteLith (MUTOH Genuine RIP software) / SAi FlexiSIGN&PRINT MUTOH Edition / ONYX RIP	
Rotary Jig		N/A	Optional
Stand		N/A	Optional

* The vacuum table is optional for XPJ-461UF.
* Specifications are subject to change without notice.
* The printer driver is included in the XPJ-461UF / 661UF. RIP software is optional.
* Ink adhesion will vary among media type and brand. Individual testing is required in function of your specific application.
* As white ink settles at the bottom of cartridge, please be sure to shake lightly once a day before use.

■Supplied products

Product name	Product model	Details	
UH21 ink (rigid type)	UH21-BK220	Black(BK)	220ml
	UH21-CY220	Cyan(CY)	
	UH21-MA220	Magenta(MA)	
	UH21-YE220	Yellow(YE)	
	UH21-WH220	White(WH)	
	UH21-VA220	Varnish(VA)	
US11 ink (flexible type)	US11-BK220	Black(BK)	220ml
	US11-CY220	Cyan(CY)	
	US11-MA220	Magenta(MA)	
	US11-YE220	Yellow(YE)	
	US11-WH220	White(WH)	
	US11-VA220	Varnish(VA)	
Cleaning	UH21-CL220	Cleaner	220ml
Other supplied products	VJ1608-FB-SO20	Flashing pad	
	RH2 clean stick	Cleaning stick	
	PJ-POLYNITW2	Polyester knit wipe	
	ULVA1-ML500	Maintenance cleaner	
	VJ-WIP	Replaceable wiper	
	IJ-UVGLS-01	UV-LED lamp glass	
	IJ-UVFLT-01	UV-LED lamp filter	
	VJ-626-GREASE	Lubricating grease for table maintenance	

* UV LED ink (UH21/US11) cannot be used in combination.
* The ink and cleaning fluid are required to purchase separately.
　・It is selectable 4 colors or 6 colors when installing the printer. After installation, it cannot be changed.
　・Prepare total 6 cartridges for 4-colors configuration of MC x 2 + KY x 1 or 6-colors configuration of KCMY, white and varnish each.
　・Prepare 6 cleaning liquids at delivery. Used for setup.

■Optional items

Product models	Details
IJ-RIP-01	Genuine RIP software VerteLith
IJ-TBLV-01	Vacuum table for XPJ-461UF
IJ-CRANK-01	CRANK handle for XPJ-461UF
VJ-626-STD	Stand for XPJ-661UF
IJ-RTU-01	Rotary unit for XPJ-661UF
IJ-RTUDP-01	Detection Plate Assy to Optional Accessories

Daily maintenance by user

Use the XPJ-461UF and XPJ-661UF with the power always on. Be sure to put the printer into sleep mode without turning off the power when not in use.
Maintenance is required every day and at the end of use. Please refer to the separately attached daily maintenance sheet.

⚠ UV LED equipment and UV ink handling ultraviolet while printing.

-The UV ink (before curing) has strong skin sensitizing property. Always wear the protective plastic gloves during maintenance or disposal to avoid the skin contact with the UV ink.
-The UV ink is also harmful to water creatures. Do not dump this product into sewers or any body of water, and delegate disposal to an industrial waste disposal contractor.
-In addition, carefully read the instruction manual included with the main unit and use it safely.

Safety Precautions
Before the use of our products, please read the entire Operations Manual to ensure safe operations.

The name of company and products mentioned are trademarks or registered trademarks. The standard prices in the catalog include no sales taxes, which must be individually determined. Specifications and outward appearances of any product therein may be changed without notice as a result of product improvement or other related reasons.

Distributed by:

MUTOH

Creation, we make it happen ...

XpertJet
461UF / 661UF

Desktop UV LED Flatbed Printers

Texture You Can Feel!

glossy

semi-glossy

matte

LDC
UV LED LOCAL DIMMING CONTROL

"UV LED lamp local dimming control technology" enables the ability to create diverse and expressive textures in the same print table movement.

By dividing the irradiation area of the UV lamp, the varnish ink can be adjusted individually for greater segmented printing control. Glossy, semi-glossy and matte varnish effects can be produced in one table movement for prints combining CMYK + varnish or white + varnish.
The result is a substantial productivity boost as well as a minimized risk for graininess, banding and misalignment of layer printing.

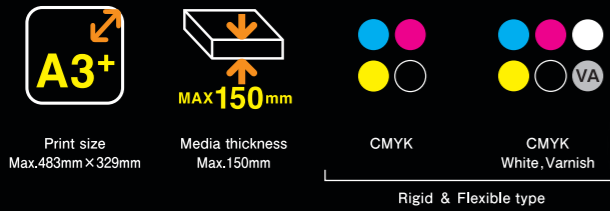|	Single table movement	Second table movement
Current model	color printing	varnish printing
XPJ-461UF XPJ-661UF	varnish printing color printing	*decreases print time for varnish effects*

"XPJ-461UF" "XPJ-661UF", desktop UV LED printers, achieve pursued ease of use functionality and versatile expression. The printers enable real value-added printing easily such as excellent glossy finishes and texture decoration.
Suited for personalized goods, industrial products, promotional items, small lot production and so much more.
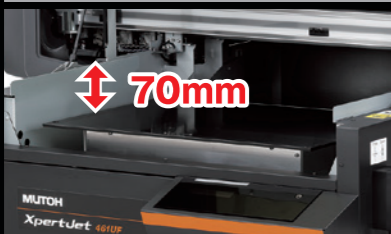
A3⁺ size | XPJ-461UF

A2⁺ size | XPJ-661UF

All the functionality required by professionals consolidates into the compact bodies.

XpertJet 461UF

A3+ (Print size Max.483mm × 329mm)
MAX 150mm (Media thickness Max.150mm)
CMYK
CMYK White, Varnish
Rigid & Flexible type

Small foot print, smart design model XPJ-461UF

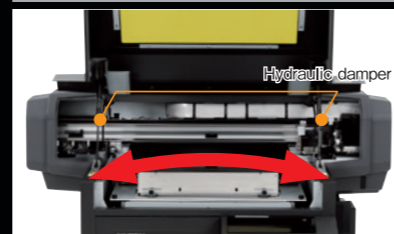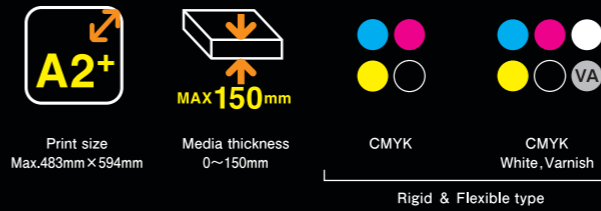| Easy fine adjustment of table height	Table mechanism for various objects	Wide open cover
70mm	150mm	Hydraulic damper
Print onto objects up to 70mm thick easily using manual adjustment knob	Table removal allows printing onto objects up to 150mm thick. *Original jig production is recommended	Expanded open space allows for easy access to position the substrates and maintenance.
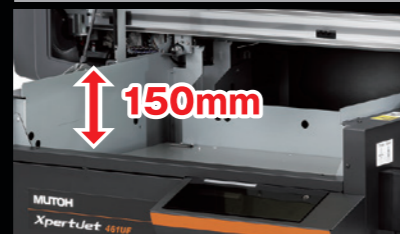
XpertJet 661UF

A2+ (Print size Max.483mm × 594mm)
MAX 150mm (Media thickness 0～150mm)
CMYK
CMYK White, Varnish
Rigid & Flexible type

High performance model with enhanced productivity XPJ-661UF
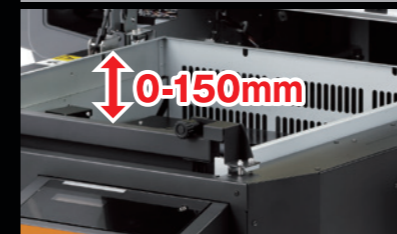
| Automatic table lifting	Rotary unit	Original stand
0-150mm		Working height 1,222mm
Automatic table lifting enables high-precision height adjustment and stabilizes printing quality.	The ability of 360° printing onto cylindrical objects expands range of your applications. (optional)	Optimal height for operation with rollaway stand (optional)

Vacuum table holding media firmly
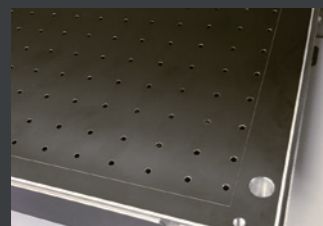
The vacuum table efficiently positions, holds down firmly and flattens out even thin media. Five levels of suction force can be controlled from the printer operation panel.
(Optional for XPJ-461UF)

LED touch panel
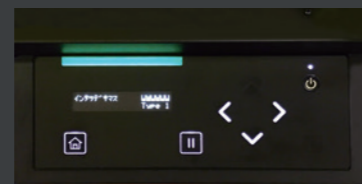
High visibility electrostatic touch panel provides high quality display and improves panel operation. It supports 8 languages.

Maintenance mechanism

UV LED lamp filter
UV LED lamp glass

The maintenance environment around the UV LED lamp has been renewed to perform daily maintenance more efficiently. New removable / replaceable lamp filter & lamp glass make for easier cleaning. In addition, a new print head improves jetting stability and minimizes machine troubles.

MUTOH genuine UV LED inks

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

MUTOH offers hard type, UH21 ink and soft type, US11ink. Both are environmentally friendly which contribute VOC free, and can be used for heat-sensitive media. The US11 ink is UL GREENGARD Gold Certified to meet the most stringent standards for low VOC emission.
The UH21 ink achieves excellent adhesion* especially for extruded acrylic.

*Ink adhesion test is recommended before printing.

Bundled application software

● User-friendly Layout and Print Tool 2
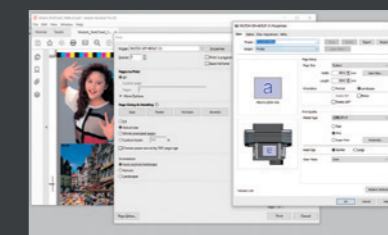
Variable data printing
The function enables printing of personalized and unique date at one time for one template.

Density test pattern
White and varnish density test checks for the appropriate ink amount to achieve a glossy finish.
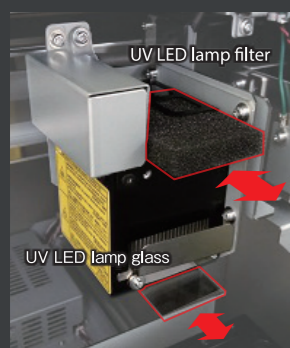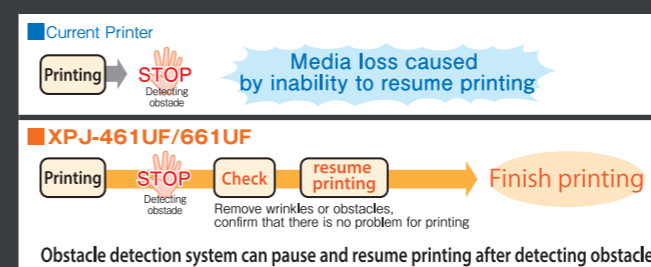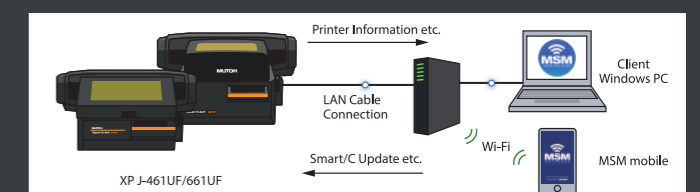
● MUTOH Windows printer driver

Bundled MUTOH Windows printer driver allows users to print directly from their windows PC without RIP software.
MUTOH Layer Editor enables multi-layer printing with the Windows printer driver only.

*Supported OS : Windows8/8.1、10 (32/64-bit)、11

Obstacle detection system

■Current Printer
Printing → STOP (Defeating obstacle) → Media loss caused by inability to resume printing

■XPJ-461UF/661UF
Printing → STOP (Detecting obstacle) → Check (Remove wrinkles or obstacles, confirm that there is no problem for printing) → resume printing → Finish printing

Obstacle detection system can pause and resume printing after detecting obstacle.

MUTOH Status Monitor (MSM)

・Significant improvement of response time for print status acquisition
・Support initial installation wizard
・Support 10 languages for all functions

Printer Information etc.
LAN Cable Connection
Smart/C Update etc.
Wi-Fi
MSM mobile
Client Windows PC
XPJ-461UF/661UF

It requires user registration to download MSM.
https://club.mutoh.co.jp/mutoh/guser/

VerteLith

Genuine RIP Software
Achieves Unmatched Image Quality and Workflow Efficiency

High Quality Technology to optimize the performance of MUTOH printers

MUTOH Clear Tone Original half tone technology	MUTOH CMYK Wide color gamut profile	Accurately process PDF transparencies
Less variation in color density and smoother gradations	ICC input profile " MUTOH CMYK" maximizes the coverage of color gamut	More reliable output by accurate processing of PDF transparencies & drop shadows

Better skin tones

MUTOH Clear Tone

MUTOH CMYK

Enlarged color gamut

Japan Color 2011

VerteLith processing

Improper processing

Tow Preview Functions to reduce mistakes and waste

RIP preview	Soft proof
Preview "the actual printing dots" on screen before printing	Simulate "the color" of the printed image on screen before printing

Even the variable dots are previewed for confirmation

Workflow Efficiency

Jig layout function

Create and register "layout settings" such as layout placement and number of layout, etc.
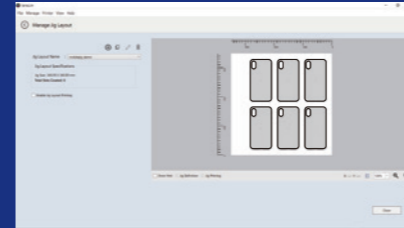
Shape data created by external applications can also be imported for layout settings as well as square shapes.

Simplified jig production with 2.5D printing

Save time and money with MUTOH's automated jig production
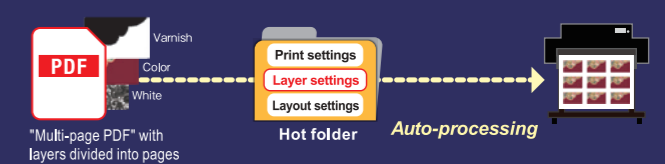
Automated layout processing and printing with multi-page PDF

In addition to print settings, layout settings can also be set in the hot folders. It enables automated processing of layout and printing.

PDF
Job C
Job B
Job A
"Multi-page PDF" integrated with multiple jobs

Print settings
Layout settings
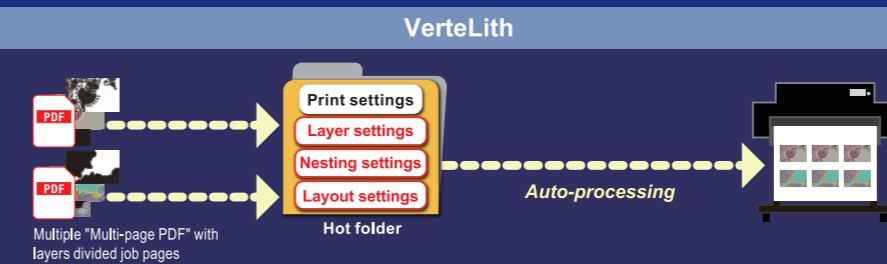Hot folder
Auto-processing
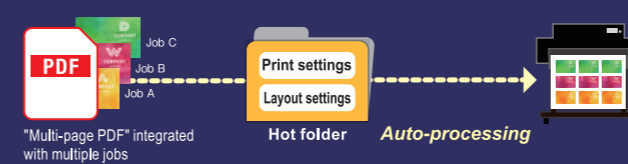
Automated multi-layer printing

In addition to print settings and layout settings, layer settings can also be set in the hot folders. It enables automated processing of multi-layer printing.

PDF
Varnish
Color
White
"Multi-page PDF" with layers divided into pages

Print settings
Layer settings
Layout settings
Hot folder
Auto-processing

Automated nesting, layout and printing for multiple jobs with multi-layers

For multiple jobs with multi-layers, automated processing can be performed once a series of processing such as print settings, layer settings, nesting settings and layout settings is set in the hot folders.

VerteLith

PDF
PDF
Multiple "Multi-page PDF" with layers divided job pages

Print settings
Layer settings
Nesting settings
Layout settings
Hot folder
Auto-processing

Conventional process

PDF
PDF
PDF
Separated data with each job and each layer

Print settings
Hot folder

Manual settings
Layer settings
Layer settings

Manual settings
Nesting settings

Manual settings
Layout settings

Auto-generation of spot colors

Auto-generation of spot colors based on the shading of the image data. Selectable from 6 different modes
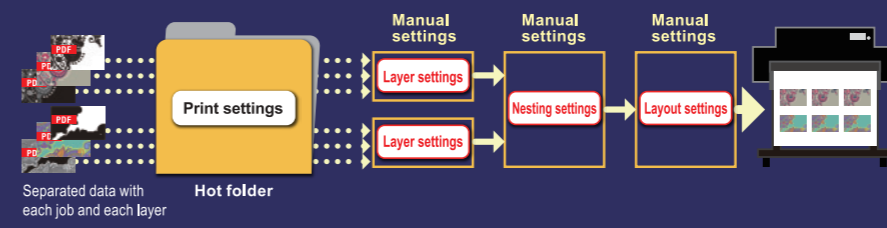
Operating Environment

OS	Windows11*5 Windows 10 [64bit] Windows 8.1 [64bit]
CPU	Intel® Core™ i5 3GHz or better
Memory	8GB or more
Hard Disk	HDD or SSD/ SSD is recommended when output to multiple machines 10GB or more*1
Interface	Ethernet*2 USB2.0*3
Display resolution	1920x1080 pixel or higher*4

Supported data

PDF1.7/2.0, PostScript, EPS, TIFF, JPEG, PNG

*1 When using the archive function, secure sufficient capacity. *2 It is recommended to have a network port that supports Gigabit Ethernet, which is required when connecting to a printer equipped with Gigabit Ethernet. *3 Recommended when using a USB-connected cutter and a spectrophotometer. *4 For soft proofing, a display with monitor calibration is recommended. *5 The guaranteed operating environment is Windows 11 21H2 build 22000 or later.

Scan here for details