

■ Specifications

| XpertJet | | XPJ-461UF | XPJ-661UF |
|------------------------------|-------------|--|--|
| Printing system | | On-demand piezo drive system | |
| Set media | Size (W×D) | 483mm (19") × 329mm (12.95") | 483mm (19") × 594mm (23.4") |
| | Height | up to 70mm (2.75") [with standard table] / up to 150mm (5.9") [without standard table] up to 70mm (2.75") [with optional vacuum table] | 0 ~ 150mm (5.9") |
| | Weight | up to 5kg (11lbs) [with standard table] / up to 8kg (17.6lbs) [without standard table] up to 4kg (8.8lbs) [with optional vacuum table] | 6kg (13.2lbs) |
| Max printable size (W×D) | | 483mm (19") × 329mm (12.95") | 483mm (19") × 594mm (23.4") |
| Table height adjustment | | PG handle (handle 1.5mm / round) | Automatic |
| Ink | Type | UV LED ink (UH21 ink / US11 ink) | |
| | Ink set | 4 colours (K, C, M, Y) / 6 colours (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±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°C 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 (46.8") × 972mm (38.2") × 597mm (23.5") [Front cover closed] / weight: 95kg (209lbs) 1,188mm (46.8") × 972mm (38.2") × 1,011mm (39.8") [Front cover opened] 1,188mm (46.8") × 1,025mm (40.4") × 597mm (23.5") [PG handle cover opened] | 1,188mm (46.8") × 1,627mm (64.1") × 604mm (23.8") [Front cover closed] / weight: 130kg (287lbs) 1,188mm (46.8") × 1,627mm (64.1") × 1,196mm (47.01") [Front cover opened] |
| Printer Driver | | Bundled | |
| RIP software | | Optional: 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-S020 | Flashing pad | |
| | RRH2 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 colours or 6 colours when installing the printer. After installation, it cannot be changed.

* Prepare total 6 cartridges for 4-colour configuration of MC x 2 + KY x 1 or 6-colour configuration of KCMY, white and varnish each.

* Prepare 6 cleaning liquids at delivery. Used for setup.

■ Optional items

| Product models | Details |
|----------------|--|
| 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.

MUTOH

Creation, we make it happen ...

XpertJet

461UF / 661UF

Desktop UV LED Flatbed Printer



<http://www.mutoh.co.jp/en/>



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

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Texture You Can Feel!



"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 | colour printing | varnish printing |
| XPJ-461UF XPJ-661UF | varnish printing colour printing | decreases print time for varnish effects |



A3+ size | XPJ-461UF



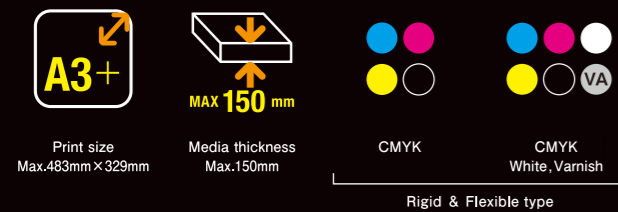
A2+ size | XPJ-661UF

"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.



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

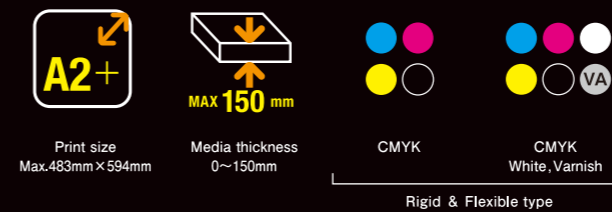
XpertJet 461UF



Small footprint smart design model XPJ-461UF

| | | |
|--|--|---|
| Easy fine adjustment of table height <p>Print objects up to 70mm/2.75" thick easily using manual adjustment knob</p> | Table mechanism for various objects <p>Removed the table enables printing objects up to 150mm/5.90" thick. *Original jig production is recommended</p> | Wide open cover <p>Expanded open space allows for easy access to position the substrates and maintenance.</p> |
|--|--|---|

XpertJet 661UF



High performance model with enhanced productivity XPJ-661UF

| | | |
|--|--|---|
| Automatic table lifting <p>Automatic table lifting enables high-precision height adjustment and stabilizes printing quality.</p> | Rotary unit <p>The ability of 360° printing onto cylindrical objects expands range of your applications (optional)</p> | Original stand <p>Optimal height for operation with rollaway stand (optional)</p> |
|--|--|---|

2.5D printing



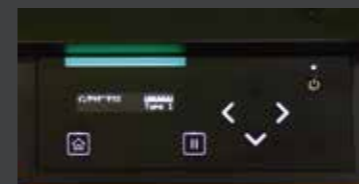
XPJ-461UF/661UF enable 2.5D printing such as emboss text and braille, texture decorations. XPJ-661UF is ideal for premium 2.5D printing greater than 1mm thick. (XPJ-461UF needs manual adjustment)

Vacuum table holding media firmly



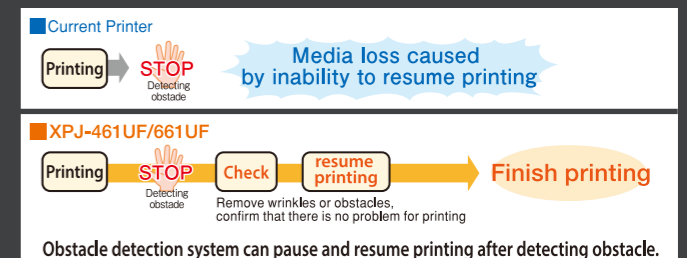
Vacuum table can hold thin media firmly. 5 steps vacuum power control on operation panel. (Optional for XPJ-461UF)

LED touch panel



High visibility electrostatic touch panel improves panel operation. It supports 8 languages.

Obstacle detection system



Bundled application software

• User-friendly Layout and Print Tool 2



Variable data printing
The function enables printing of personalized and unique data 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.

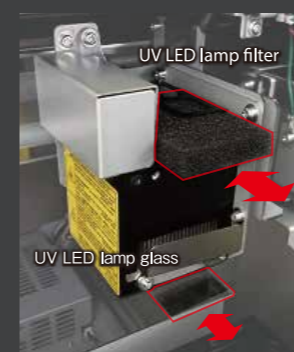
• MUTOH Windows printer driver



*対応 OS : Windows8/8.1、10 (32/64-bit)

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.

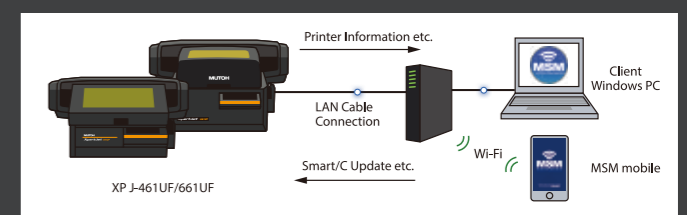
Maintenance mechanism



The maintenance environment around the UV LED lamp has been renewed to perform daily maintenance more efficiently. It allows for easy attachment, detachment and replacement of components. In addition, a new print head improves jetting stability and minimizes machine troubles.

MUTOH Status Monitor (MSM)

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



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