



## Desktop A3+ Flatbed LED UV Printer

### Mutoh's Proprietary Local Dimming Control Technology - Patent Pending

The XPJ-461UF is equipped with a newly developed segmented 2" wide UV lamp. The UV lamp has 6 different sections. Each lamp section can be individually controlled, enabling production of multiple varnish effects in the same print table movement.

Gloss, semi-gloss 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 minimised risk for dust contamination into glossy printed areas.

### Technical Key Specifications

Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Head	1 monoblock 8 channel print head
Nozzle Configuration	180 nozzles x 8 lines
Drop Mass Range	3.7 pl to 25.8 pl
LED UV Lamp	2" wide multi-segment lamp - 6 segments Each segment can be individually controlled.

### Media Specifications & Handling

Max. Print Area	483 mm (19") x 329 mm (12.95")
Max. Media Thickness	Up to 70 mm (standard table installed) Up to 150 mm (standard table removed) Up to 70 mm (with optional vacuum table)
Max. Weight	5 kg (standard table installed) 8 kg (standard table removed) 4 kg (with optional vacuum table)
Table Height	Manual height adjustment via handle
Media Drying System	Long life LED UV curing lamp / 14.250 hours
Vacuum System	Optional - electronically adjustable hold-down strength

### Ink Specifications

Ink Type	LED UV inks - Rigid and Flexible types
Ink Colours / Volume	CMYK, White & Varnish - 220 ml cassette
Ink Setup	CMYK (CCMMYK) CMYK + White + Varnish (CMYK+Wh+Va)
Compatibility *	ABS, Alu Composite Board, Glass, PC, PET, Extruded Acrylic, PP, PS, foam PVC, Tyvek®, Wood

\*: Ink adhesion will vary among media type and brand. The level of required adhesion on the final graphic depends on handling and usage. Individual testing is required in function of your specific application. Challenging substrates like glass, acrylic, PP may require the use of adhesion promoters/primers.

### Power Consumption

During Printing	< 195 Watt
Power Supply	AC 100-120 V / AC 200-240 - 60/50 Hz
Operation Noise	During printing : 63 db or less Standby : 51 db or less

### Recommended Working Environment

Temperature	20 °C - 32 °C with Δt: max. 2 °C/h
Humidity	40 % - 60 % (no condensation) with ΔRH: max. 5 % RH/h

### Machine Measurements

Width x Depth x Height	1188 x 972 x 597 mm
Weight	95 kg

### Software

Standard Windows driver to allow printing from Powerpoint, Illustrator, CorelDRAW, etc...  
Mutoh Layer Editor for multi-layer printing - integrates new features such as variable data printing  
Remote printer monitoring from smartphone or tablet via Mutoh Status Monitor

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## Desktop A2+ Flatbed LED UV Printer

### Mutoh's Proprietary Local Dimming Control Technology - Patent Pending

The XPJ-661UF is equipped with a newly developed segmented 2" wide UV lamp. The UV lamp has 6 different sections. Each lamp section can be individually controlled, enabling production of multiple varnish effects in the same print table movement.

Gloss, semi-gloss 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 minimised risk for dust contamination into glossy printed areas.

### Technical Key Specifications

Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Head	1 monoblock 8 channel print head
Nozzle Configuration	180 nozzles x 8 lines
Drop Mass Range	3.7 pl to 25.8 pl
LED UV Lamp	2" wide multi-segment lamp - 6 segments Each segment can be individually controlled.

### Media Specifications & Handling

Max. Print Area	483 mm (19") x 594 mm (23.4")
Max. Media Thickness	Up to 150 mm
Table Height	Automatic height adjustment
Max. Weight	6 kg
Media Drying System	Long life LED UV curing lamp / 14.250 hours
Vacuum System	Standard - electronically adjustable hold-down strength
360° Printing	Optional rotary printing unit for 360° direct printing on cylindrical objects

### Ink Specifications

Ink Type	LED UV inks - Rigid and Flexible types
Ink Colours / Volume	CMYK, White & Varnish - 220 ml cassette
Ink Setup	CMYK (CCMMYK) CMYK + White + Varnish (CMYK+Wh+Va)
Compatibility *	ABS, Alu Composite Board, Glass, PC, PET, Extruded Acrylic, PP, PS, foam PVC, Tyvek®, Wood

\*: Ink adhesion will vary among media type and brand. The level of required adhesion on the final graphic depends on handling and usage. Individual testing is required in function of your specific application. Challenging substrates like glass, acrylic, PP may require the use of adhesion promoters/primers.

### Power Consumption

During Printing	< 300 Watt
Power Supply	AC 100-120 V / AC 200-240 - 60/50 Hz
Operation Noise	During printing : 69 db or less Standby : 49 db or less

### Recommended Working Environment

Temperature	20 °C - 32 °C with Δt: max. 2 °C/h
Humidity	40 % - 60 % (no condensation) with ΔRH: max. 5 % RH/h

### Machine Measurements

Width x Depth x Height	1188 x 1627 x 604 mm
Weight	130 kg

### Software

Standard Windows driver to allow printing from Powerpoint, Illustrator, CorelDRAW, etc...

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