

# Compact Power.

Industrial Performance.



ARROW DIGITAL PVT. LTD.

## Next Big Opportunity

Designed for membrane switches, overlays, nameplates, and instrument panels. Delivers strong adhesion, flexibility, and long-term durability for demanding sub-surface applications.

**ArrowJet**  
MTS 48



# ENGINEERED ADVANTAGES

The ArrowJet MTS-48 Membrane Switch UV Printer is purpose-built for high-precision sub-surface and second-surface printing on polycarbonate, polyester, and industrial overlay films. Engineered for demanding membrane switches, control panel, and instrument overlay applications, it delivers exceptional adhesion, sharp detailing, and long-term durability. With flexible UV inks, high-resolution imaging, and fast LED curing, the ArrowJet MTS-48 ensures outstanding print clarity, excellent embossing compatibility, and reliable performance across diverse industrial environments.



**Speed Up to  
580 ft<sup>2</sup>/hr.**

**Up to 1200  
dpi resolution**

**3-6 Ricoh Gen6  
Print heads**

## POLYFLEX PC UV LED CURABLE INKS

Designed for membrane switches, overlays, nameplates, and instrument panels. Delivers strong adhesion, flexibility, and long-term durability for demanding sub-surface applications.

KEY FEATURES	PERFORMANCE PROPERTIES
Strong adhesion on polycarbonate & membrane films	Excellent adhesion on PC & PET films
PSA-resistant; prevents ink lift and smearing	Flexible for multi-layer and embossed designs
Ideal for second-surface printing	Meets GE Lexan® & Valox® PTX specs
Flexible for embossing & switch actuation	Works with high-tack PSA
High opacity, vibrant colors, clean graphics	Proven mechanical life-cycle durability
Chemical, moisture & abrasion resistant	<b>RECOMMENDED SUBSTRATES</b> Polycarbonate · Polyester · PC/PET blends · PVC · Rigid Vinyl · Tedlar® · Acrylic · Copolyesters
Fast LED curing; stable under heat & humidity	
Built for industrial, automotive & appliance panels	

# Lightfastness Performance

LIGHTFASTNESS	ADHESIVES
Up to 3-year lightfastness	Apply PSA after 24-hour post-cure
1500 hrs weathering with minimal change	Ensure proper curing to prevent migration
500 hrs $\approx$ 1 year (45° South Florida)	Must pass ASTM D3359-93 cross-hatch test

## Applications



Automotive Dashboards



Instrument Clusters control panel



Medical Equipment Keypads



HVAC and Climate Control Interfaces



Industrial Machine Control Panels



Consumer Electronics User Interfaces



Membrane switches.



Fitness equipment



Aviation Cockpit Panels & Gauges

# Technical Specifications

Category	Details
Model	ArrowJet MTS-48
Printheads	3-6 Ricoh Gen6
Max Resolution	1200 dpi
Ink Drying System	UV LED curing system
Vacuum Suction	4-zone flatbed vacuum
Maximum Printing Area	2500 × 1300 mm (98.43 × 51.18 in)
Maximum Media Size	2530 × 1350 mm (99.61 × 53.15 in)
RIP Software	Photoprint (included); Print Factory / Caldera (optional), Onyx
Operating Temperature	18–26°C
Operating Humidity	40–70%
Power Requirements	5 kW max, AC 220V ±10%, 50/60 Hz, ≥15A
Print Speed	Standard (3-heads): Up to 290 ft <sup>2</sup> /hr.
	High Speed (6-heads) : Up to 580 ft <sup>2</sup> /hr.



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