Compact Power.

Industrial Performance.

Arrow Systems, Inc.

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 ft²/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	**RECOMMENDED SUBSTRATES**
Fast LED curing; stable under heat & humidity	Polycarbonate · Polyester · PC/PET blends · PVC · Rigid Vinyl · Tedlar® · Acrylic · Co-polyesters
Built for industrial, automotive & appliance panels	

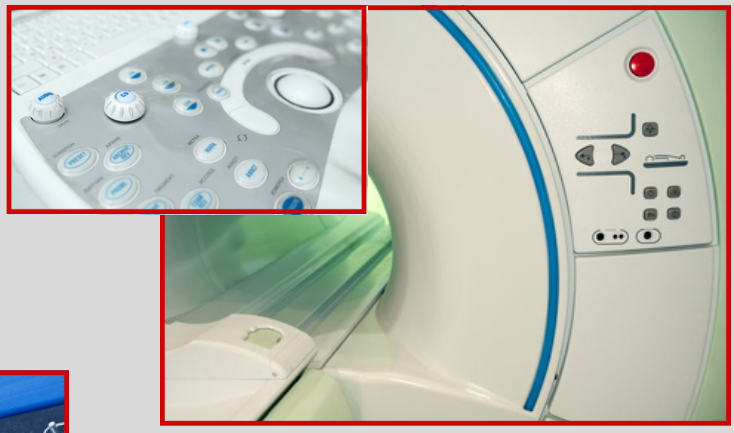
Lightfastness Performance

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 ≈ 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 ft²/hr.
	High Speed (6-heads) : Up to 580 ft²/hr.

Arrow Systems, Inc.

www.arrsys.com
sales@arrsys.com
+1-716-285-2974

2440 Jerauld Ave.,
Niagara Falls
New York 14305, USA