



Metalphoto of Cincinnati

# Front Panels

## Solutions For Harsh Environments

**One size does not fit all.** Each project is unique with an independent set of challenges. MPC can recommend a front panel that is specifically engineered and ideally suited for your equipment, environment, and budget. Custom metal and plastic panels are precision fabricated using forming, bending and cutting capabilities, and various attachment features including studs, adhesives or fasteners add value to your equipment.

**MPC's Promise:** Durable front panels engineered to last the life of your equipment.

Metalphoto of Cincinnati has been a leading full-service manufacturer of durable custom front panels and other identification products for more than 50 years. Experience is our strength, providing the knowledge and capability to deliver the best solution for your product identification needs.

## Because Durability Matters

Tough performance with resistance against:

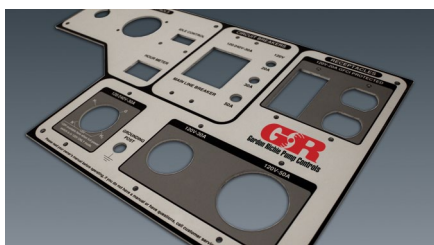
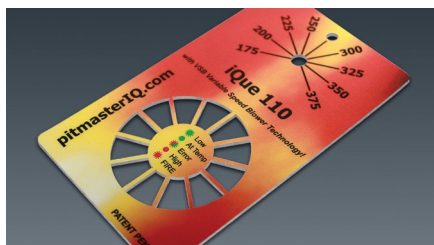
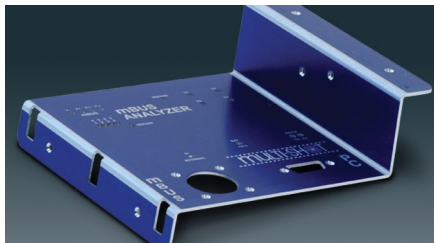
- UV/sunlight exposure
- abrasion
- extreme temperatures
- weather
- saltwater
- chemicals & solvents
- cleaning processes
- graffiti

## Specifications

- military
- aerospace
- many industry standards

## One- and Two-Part Panels

- One-part metal or plastic front panels with optional adhesive or mechanical attachment features.
- Two-part front panels using metal or plastic overlays mounted to a thicker metal back panel with various attachment options.



www.mpofcinci.com/panels.html



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**Metalphoto of Cincinnati**

## Metal & Plastic Choices Include:

**Metalphoto** is our most durable and widely used material. High-resolution graphics are sealed beneath a sapphire-hard anodic layer, providing superior resistance to UV, abrasion, cleaning solvents, most chemicals, and extreme temperatures. Service range is -40°F to +650°F. Proven outdoor durability of 20+ years.

**Anodized Aluminum** offers a built-in protective finish that provides exceptional abrasion resistance and durability against corrosion, extreme temperatures, chemicals and solvents. May be considered as an alternative to Metalphoto for certain applications where UV resistance is not a requirement.

**Aluminum** is lightweight, strong, and provides good corrosion resistance. Image durability is directly related to types of inks or color fills applied (epoxy, dye or pigment base). A protective coating is often applied for increased abrasion resistance.

**Stainless Steel** offers exceptional resistance to chemicals and corrosion. A dense metal preferred for highly caustic and acidic environments, which would otherwise attack aluminum. Image durability is directly related to types of inks or color fills applied (epoxy, dye or pigment base).

**Polyester** possesses high tensile strength with good resistance against heat, chemicals, abrasion and tears. This economical plastic is available in a variety of colors and easily die-cut. Graphics are printed on the second surface for increased durability.

**Polycarbonate** possesses high mechanical strength and superior optical clarity with good heat, chemical, abrasion and impact resistance. This economical plastic is available in a variety of colors and easily die-cut. Graphics are printed on the second surface for maximum durability.

**Need help?** Contact us now at **800.528.4058** to discuss your project.

## Material Selection Chart:

RATING KEY		PHYSICAL / ENVIRONMENTAL PROPERTIES							DESIGN CONSIDERATIONS			
<ul style="list-style-type: none"> <li>● Excellent</li> <li>● Very Good</li> <li>● Good</li> <li>● Fair</li> <li>● Poor</li> </ul>	Heat Max (°F)	Cold Max (°F)	Outdoor Durability	Abrasion Resistance	Chemical Resistance				Color Printing Compatibility	Custom Color Matching	Textures Available	Range of Thicknesses Available (In.)
					Solvents	Fuel, Oil & Grease	Acids	Bases				
Metalphoto®	750°	-400°	●	●	●	●	●	●	Black/Silver Only	N/A	Gloss, Satin, Matte, #4 Brush	.003 - .125
Metalphoto® with Anodized Printed Colors	350°	-400°	●	●	●	●	●	●	Spot Color Only	Yes (Limited)	Gloss, Satin, Matte, #4 Brush	.003 - .125
Anodized Aluminum	350°	-400°	●	●	●	●	●	●	Spot Color Only	Yes (Limited)	Gloss, Satin, Matte, #4 Brush	.003 - .125
Aluminum	1000°	-140°	●	●	●	●	●	●	Spot Color Only	Yes	Gloss, Satin, Matte, #4 Brush	.003 - .125
Stainless Steel	1500°	-400°	●	●	●	●	●	●	Spot Color Only	Yes	Satin, #4 Brush	.014 - .120
Polyester	140°	-40°	●	●	●	●	●	●	Full Color (CMYK)	Yes	Gloss, Matte	.005 - .010
Polycarbonate	270°	-211°	●	●	●	●	●	●	Full Color (CMYK)	Yes	Gloss, Matte, Velvet	.005 - .030
Hard-Coated Polyester	140°	-40°	●	●	●	●	●	●	Full Color (CMYK)	Yes	Gloss, Non-Glare	.005 - .010
Hard-Coated Polycarbonate	270°	-211°	●	●	●	●	●	●	Full Color (CMYK)	Yes	Gloss, Non-Glare, Matte	.005 - .030

\* This chart is intended for general guidelines only. Durability of the image is directly related to the inks or dyes used and printing method. Users must test products in the specific environment anticipated. Metalphoto of Cincinnati does not warrant performance of its materials in any environment.

