Panels & Dials
Available in thicknesses to .125" In matte, satin or #4 brushed finish
Resists most chemicals and solvents

Data Plates/Schematics
Ideal for detailed schematics or data plates
Resistant to abrasion, heat and corrosion

Bar Code Labels
Meets UID requirements of MIL-STD-130
Labels won’t fade, scratch or delaminate

Shipboard Markings
Metalphoto was first used in 1958
Recent Navy study: “Metalphoto label plates provide the highest degree of performance.”

Torture This!
Metalphoto anodized aluminum nameplates and panels are practically indestructible. Graphics are permanently embedded in the aluminum and are resistant to the following harsh conditions:

- Extreme ultraviolet exposure
- Temperatures exceeding 700°
- Salt spray
- Gasoline, jet fuels, hydraulic fluids, chemicals and solvents
- Abrasion

Call us today at

5950 6th Ave. S., Ste. 202 Seattle, WA 98108
206-728-8888 • Fax: 206-626-6455
www.advancemarkingsystems.com

Metalphoto will measure up to your toughest requirements.

Specify metalphoto®

Metalphoto is the preferred material for nameplates, control panels and bar codes in applications where service life expectations exceed 20 years for the part. Government & aerospace extensively specify Metalphoto for demanding applications that require resistance to the effects of weather, abrasion, heat and most chemicals. The following performance requirements are taken from reference documents, in which Metalphoto is used and specified, in order to demonstrate the unique durability of the product.
Permanent Metal Markings for Bar Codes, Data Plates, Control Panels and Foil Labels
20 Years Outdoor Durable
Resistant to Sunlight, Wind, Water and Saltwater
Withstands Chemicals, Fire, Rust and Abrasion

U.S. Government Specifications & Studies
- Department of Defense
  - Commercial Item Description
    A-A-50271 Class 2 - Composition C
- Department of Defense
  - MIL-A-8625F
    - Anodic Coatings for Aluminum & Aluminum Alloys
      - Type II Class 1 (unprocessed or clear)
      - Class 2 (processed)
- Department of Defense
  - MIL-STD-1321
    - Standard Practice
    - Marking of Electronic Items
- Department of Defense
  - MIL-DTL-19024F
    - Identification of Equipment
      - Type C - Foil - Type H - Plate
- Department of Defense
  - MIL-STD-130L
    - Identification Marking of U.S. Military Property
- Department of Defense
  - MIL-P-19834B
    - General Specification for Plates
      - Identification or Instruction, Metal Foil, Adhesive Backed
- Department of Navy
  - Laboratory evaluation of label plate materials and attachment methods considered for use on LPD-17
    - CARDVNSWC-TR-62-00-05 June 2000
- NASA, Johnson Space Center Texas
  - Space Station Inventory Label Specification
    - SSP 30007
- United State Federal Government
  - Federal Specification GGP-455R(2)
    - Type I (Grade A&B) Class 1 or 2

metalphoto® Performance Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion Resistance</td>
<td>No pronounced image loss, degradation, or reduced readability after 7000 cycles of an abrading wheel.</td>
</tr>
<tr>
<td>Acid Corrosion</td>
<td>No deterioration or image degradation after 24 hours in 3% nitric acid.</td>
</tr>
<tr>
<td>Heat Resistance</td>
<td>No legibility loss or degradation when subjected to 1000°F.</td>
</tr>
<tr>
<td>Salt Spray Corrosion</td>
<td>No deleterious effect after a 720-hour salt spray (fog) test. 2.6 &quot;Very good&quot; corrosion resistance after 113 days seawater exposure.</td>
</tr>
<tr>
<td>Accelerated Light and Weather Resistance</td>
<td>No pronounced deterioration of legibility after 400-hour carbon arc weatherometer exposure.</td>
</tr>
<tr>
<td>Accelerated Oxygen Aging</td>
<td>No discoloration or fading after 96-hour/300 psi/70°C oxygen bomb aging.</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>No black fading when plates are exposed to tincture of iodine.</td>
</tr>
<tr>
<td>Cleaning Resistance</td>
<td>No deleterious effects when tested with alkaline cleaners (MIL-C-87937 or equivalent) for aircraft surfaces.</td>
</tr>
<tr>
<td>Low Temperature Resistance</td>
<td>No deleterious effect or image fade after 1 hour at -50°F. No impairment of legibility upon exposure at -47°F.</td>
</tr>
<tr>
<td>Fungus Resistance</td>
<td>Visual reading of &quot;0&quot; per ASTM-G21.</td>
</tr>
<tr>
<td>Thermal Shock</td>
<td>No deterioration after 3 cycles between -65°C and 125°C.</td>
</tr>
</tbody>
</table>

...and many more companies, large and small