



AOTCO METAL FINISHING CO., LLC

# Capabilities

Sulfuric Anodize | Black Oxide | Bright Dip | Cadmium Plating

Chromic Anodize | Chem Film | Copper Plating | Electropolishing

Hardcoat Anodize | Gold & Silver Plating | Laser Marking | Masking

Magnesium Anodize | Media Blasting | Nickel Sulfamate | Passivation

Titanium Anodize | Plating on Magnesium | Platinum on Titanium

Titanium Hardcoat Anodize | Rhodium Plating | Tin & Tin Lead

Electrolytic Nickel Plating | Electroless Nickel Plating | **And More!**

# Certifications



## AOTCO Metal Finishing

AOTCO Metal Finishing is America's trusted provider of specialty electroless plating, electroplating, masking, anodizing, passivation, and other surface finishing services.

Founded in 1975 and NADCAP accredited, we have brought New England's leading plating companies under one roof to provide innovative solutions, R&D services, and speedy turnarounds.

We have expanded our large-part processing, hoist-line, and high-volume production at our new 50,000 square foot facility in Massachusetts. We support advanced manufacturers, industry primes, innovators, and machine shops nationwide.

Dedicated capacity is available. Contact us today!

## AOTCO | Labs

AOTCO LABS is our in-house research and development group. Our team of engineers work collaboratively with research-driven organizations to develop new processes and products, troubleshoot and resolve complex plating problems and scale finishing processes.

National Headquarters:  
11 Suburban Park Drive,  
Billerica, MA 01821

Contact Us:  
sales@aotco.com  
tel: (888) 275 - 0880

**aotco.com**

# Available Finishes & Specifications

## Chromic & Sulfuric Anodize

AMS-A-8625  
MIL-A-8625  
MIL-PRF-8625

## Hardcoat Anodize

AMS 2468  
AMS 2469  
AMS-A-8625  
MIL-A-8625  
MIL-PRF-8625  
ASTM B580

## Hardcoat Anodize & Teflon Impregnation

AMS 2482

## Anodize on Titanium

AMS 2488

## Hardcoat Anodize on Titanium

## Magnesium Anodize

### Black Ebonol

MIL-F-495

### Black Oxide

MIL-C-13924  
MIL-DTL-13924

## Cadmium Plating

QQ-P-416  
AMS-QQ-P-416  
FED-QQ-P-416  
AMS 2400

## Conversion Coating (Chemical Film)

MIL-C-5541  
MIL-DTL-5541  
MIL-DTL-81706  
ASTM B449  
MIL-DTL-5541 Type II

## Copper Plating

AMS 2418  
MIL-C-14550

## Electropolishing of Stainless Steel (300 Series)

ASTM B912

## Gold Plating

MIL-G-45204  
MIL-DTL-45204  
ASTM B488  
AMS-2422  
AMS-2425

## Iridite 8P

## Nickel Plating

QQ-N-290  
AMSQQ-N-290  
FED-QQ-N-290  
MIL-P-27418  
AMS-2403  
AMS 2423  
AMS 2424  
ASTM B689  
AMS 2404

## Electroless Nickel Plating

AMS 2404  
AMS 2405  
AMS-C-26074  
MIL-C-26074  
ASTM B733

## Black Nickel

MIL-P-18317

## Nickel Sulfamate

## Bright Dip

## Laser Marking

Need More Specs?

**VISIT US AT  
AOTCO.COM**

## Platinum Plating

## Passivation & Citric Passivation

QQ-P-35  
AMS-QQ-P-35  
FED-QQ-P-35  
AMS-2700  
ASTM A380  
ASTM A967  
ASTM F86

## Plating on Magnesium

## DOW19 | NH-35 Magnesium

### Rhodium

MIL-R-46085  
ASTM B634

### Silver Plating

AMS 2410  
AMS 2412  
QQ-S-365  
FED-QQ-S-365  
ASTM B700

### Tin Plating

MIL-T-10727  
ASTM B545

## Tin-Lead Plating

MIL-P-81728  
ASTM B579

## Non-Metallic Substrates

Glass • Plastic • Graphite • Ceramic  
Silicone Carbide and more...

## Exotic Substrates

Beryllium • Beryllium Copper • Inconel  
Invar • Kovar • Monel • Molybdenum  
Palladium • Niobium • Tellurium Copper  
Titanium • Tungsten and more...

