



AOTCO METAL FINISHING CO., LLC

## Capabilities

AOTCO is NADCAP accredited and follows a stringent quality management system that consistently delivers the highest quality standards & lead times. Specializing in surface finishing solutions, we plate common, non-metallic, and exotic substrates including Magnesium, Beryllium, & Titanium for advanced technology industries.

**Sulfuric Anodize | Passivation | Copper Plating | Platinum on Titanium**  
**Chromic Anodize | Chem Film | Cadmium Plating | Rhodium Plating**  
**Hardcoat Anodize | Black Oxide | Masking | Gold & Silver Plating**  
**Titanium Anodize | Media Blasting | Tin & Tin Lead | Electropolish**  
**Electrolytic Nickel Plating | Electroless Nickel Plating** **And More!**

## Certifications



## About Us

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

Based in greater Boston with facilities in Massachusetts & Connecticut, and supporting customers nationwide since 1975, AOTCO is proud of its reputation for reliable & outstanding quality, innovative problem solving, and speedy turnarounds.

## 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:  
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Billerica, MA 01821

Contact Us:  
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**aotco.com**

# 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

## 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

## 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

## Passivation & Citric Passivate

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

## Platinum Plating

## Plating on 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

More Specs & Services  
at [www.AOTCO.com](http://www.AOTCO.com)

## 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...

**AOTCO**  
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