

Alexandria Metal Finishers

Alexandria Metal Finishers was created in 1962 to provide the advanced technical capabilities as well as extensive testing, documentation and traceability needed to meet the demanding electroplating and anodizing requirements of our country's space program in the field of metal finishing.

Today, Alexandria Metal Finishers occupies a facility that houses a variety of processing equipment designated to provide a wide range of anodizing, plating and other metal finishing services.

The 45,000 square foot facility also incorporates a complete laboratory with state-of-the-art testing equipment used to ensure high quality control standards.



Specializing in technically difficult and unique plating and finishing processes, Alexandria Metal Finishers has built a national reputation for reliability that meets or exceeds the most demanding federal and commercial specifications.



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ACCREDITED

AEROSPACE QUALITY SYSTEMS
CHEMICAL PROCESSING

ISO 9001
Certified Quality System

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Specifications

Anodizing

Hardcoat	Mil-PRF-8625 or Mil-A-8625, Type III AMS2469
Sulfuric	Mil-PRF-8625 or Mil-A-8625, Type II, Type IIB

Plating

Gold	ASTM B488, Mil-G-45204, Mil-DTL-45204
Silver	ASTM-B700, Fed-QQ-S-365
Rhodium	Mil-R-46085
Copper	AMS 2418, Mil-C-14550
Nickel	AMS2403, AMS-QQ-N-290, Fed-QQ-N-290
Electroless Nickel	AMS-2404, AMS-C-26074, ASTM B733, Mil-C-26074
Zinc	ASTM B633, Fed-QQ-Z-325
Tin	ASTM B545, Mil-T-10727
Tin Lead	AMS-P-81728

Chemical Finishing

Conversion Coating	Mil-C-5541, Mil-DTL-5541
Passivate	ASTM A380, ASTM A967, Fed/AMS-QQ-P-35, AMS 2700
Electropolish	

Alexandria Metal Finishers provides high quality, fully documented metal finishes for all the services within the Department of Defense and NASA. A partial list of some of the stringent specifications we regularly meet are listed on these pages.



Plating

Plating capabilities at Alexandria Metal Finishers are comprehensive. This includes a wide range of plating materials, including precious metals plus an extensive list of exotic base metals that can be plated including Invar, Kovar, and tungsten. A masking department uses many different techniques and materials to selectively control areas to be plated.

Anodizing

Anodizing is a specialty of Alexandria Metal Finishers. A wide range of anodized finishes is available including hard coat, and sulfuric. All standard anodizing colors are available, and large items are handled routinely by the overhead crane that travels above the anodizing tanks.

Anodize Capacities - 3,000 lb

- Type II Clear Capacity - Up to **20ft** in length (42in depth)
- Type II Black Capacity - Up to **16ft** in length (42in depth)
- Hard Coat Capacity - Up to **16ft** (60in depth)
- Hard Coat Black Capacity - Up to **16ft** in length (42in depth)

Chemical Finishes

Military specification chemical finishes include passivate, electropolish, and chromate conversion.

Quality Control

Alexandria Metal Finishers maintains an in-house lab to monitor and maintain production chemicals and the other to test sample coupons to ensure that production specifications and military specifications are met. Testing equipment provides information for complete documentation and certification of military specifications conformance for thickness, hardness, corrosion resistance and other requirements.



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Alexandria Metal Finishers provides high quality electroplating, anodizing, and chemical finishes for a wide range of industries including aerospace, defense, and commercial.

From anodizing to complex multi-plating on special alloys, Alexandria Metal Finishers meets the most demanding engineering and aerospace commercial specifications.

With one of the most modern facilities anywhere, Alexandria Metal Finishers was designed and constructed for high quality metal finishing.



This includes not only production, testing, and quality control facilities, but also environmental impact equipment.

Full documentation and traceability are part of the comprehensive quality assurance (QA) program at Alexandria Metal Finishers. The company is on approved vendor lists of major contractor and OEM companies around the country. QA source surveys conducted regularly by customers and end-users reveal the consistent quality and attention-to-detail that is essential for the aerospace & defense industry.

