



SOLUTIONS BY MARKET



MEDICAL



MACHINING



DENTAL



AUTO

Through vast experience and skills acquired by manufacturing for multiple industries, we are able to supply numerous components for the automotive markets. Committed to meeting the demands of your changing production volumes, with a proven track record in reducing machinery costs and delivering a high quality product with shorter project cycles and lower costs. Gain a competitive edge with higher productivity.

ANODIZING TECHNOLOGY

Operates under its proprietary process parameters and closely monitors the composition of its baths and use of voltages to create smooth, uniform anodize on aluminum. In addition to the Type II-Sulfuric Acid specifications listed below we anodize in accordance with customer-written designations, each with their own parameters and uses in mind.

Benefits of utilizing the Type II sulfuric acid anodization process from the Mil-A-8625 designation:

- Harder than chromic anodize
- Clearer finish permits dyeing with a greater variety of colors
- Waste Treatment is easier than chromic anodize, which also helps to reduce cost

Sulfuric Acid Anodize Applications:

- Optical components
- Hydraulic valve bodies
- Military weapons
- Computer and electronic enclosures
- Mechanical hardware





ELECTRO-POLISHING

Offering Electro-polishing services to smooth and/or brighten a metal surface anodically in a concentrated acid or alkaline solution. Electro-polishing provides a chemically and physically clean surface and removes any mechanical surface asperities which may be detrimental to the production of uniform and pit-free electroplated surfaces or the future performance and appearance of a Stainless Steel product. It helps to deburr machined edges and holes as well as removes any imbedded iron from the manufacturing process. The current is greatest on the outside edges and outside corners of parts, which are left especially smooth. The longer the process is applied, the greater the amount of metal that is removed: holes can be enlarged, threads can be rounded, and sharp edges can be smoothed.

- Improved Appearance
- Burr Removal
- Cost effective micro-finishing
- Avoidance of friction, leakage, and wear
- Passivation/Cleaning

MILLING

Offering advanced milling for a variety of machining operations for the dental, medical, auto, and oil and gas industries. Our milling department has the resources and knowledge to cover any type of requirement, including most complex molds and dies. We produce production runs of tightly tolerated, highest precision products of any size including prototype runs, interim production, or full production runs. Runs may be one or a million. Working with multiple axis machining centers we have palletizing and indexing capabilities and horizontal, vertical work centers.



TURNING



Operating both fixed and sliding head multi-axis turning centers, our machines accept materials up to 12 feet long, with diameters as small as .050" or as large as 3". Each machine has a sub spindle and features live tooling which allows us to make finished parts in one machine. We specialize in producing small or large quantities with a high volume rate due to our automated turning centers.