



Common applications for anodized finishes:

- Military equipment
- Structures and architectural categories of all types
- Appliances
- Commercial and residential building products
- Food preparation equipment
- Furniture
- Sporting goods and boats
- Motor vehicle components
- Jewelry and artwork



Anodized Baseball Bats with Silk Screen Printing

Buckeye Anodizing & Stamping is part of the Buckeye Fire Equipment Group of Companies



What is Anodizing?

Anodizing is an electrochemical process that converts the metal surface into a decorative, durable, corrosion-resistant, anodic oxide finish. Aluminum is ideally suited to anodizing.

The anodic oxide structure originates from the aluminum substrate and is composed entirely of aluminum oxide. This aluminum oxide is not applied to the surface like paint or plating, but is fully integrated with the underlying aluminum substrate, so cannot chip or peel. It has a highly ordered, porous structure that allows for secondary processes such as coloring and sealing.

Anodizing is accomplished by immersing the aluminum into an acid electrolyte bath and passing an electric current through the medium. A cathode is mounted to the inside of the anodizing tank; the aluminum acts as an anode, so that oxygen ions are released from the electrolyte to combine with the aluminum atoms at the surface of the part being anodized. Anodizing is, therefore, a matter of highly controlled oxidation—the enhancement of a naturally occurring phenomenon.

For more information or to request a quote contact:

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Specializing in Aluminum Finishes for over 25 years



Meeting the anodizing needs of the following industries:

- Automotive
- Aerospace
- Medical
- Sporting Goods
- Military
- Military Equipment



Meets EPA regulations
Quality Assurance
ISO 9001:2008

Anodizing ... the finish of choice

About Buckeye Anodizing & Stamping

Established in 1984 Buckeye Anodizing and Stamping has evolved to become a respected leader in providing the very best anodized finishes in the industry.

With ISO 9001, state of the art test equipment and chemical laboratory we have become a preferred supplier in the south east for customers who require a full service metal finishing supplier.

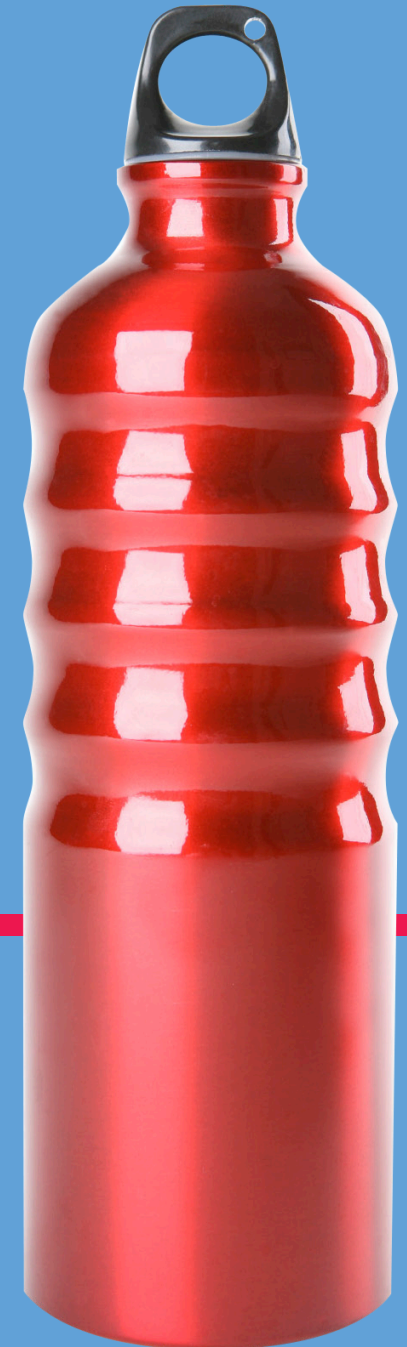
We have a dedicated team of technical specialists to monitor solution tanks and each individual job is inspected and packed per customer request.

We meet military and commercial specifications, provide complete computerized order control and our modern waste treatment plant ensures we comply with all EPA Government regulations.

Services

- We Specialize in Bright Dip Anodizing.
- Sulfuric Acid Anodizing Per Mil-A-8625 Type II, Class 1.
- Sulfuric Acid Anodizing Per Mil-A-8625 Type II, Class 2.
Colors Include: Red, Blue, Green, Orange, Black & Gold.
- Hardcoat Anodize Per Mil-A-8625 Type III. Bonded Teflon Available.
- Graphic Silk Screen Printing.
- Chromate Conversion. (Clear & Gold) / Chem Film Per Mil-DTL-5541 Type I. Class 1A and 3.
- **Now offering Non Hexavalent Chromate Per Mil-DTL-5541 Type II.**

Extra large anodizing tanks to accommodate larger parts and high production runs.



Anodized Aluminum Water Bottle (right) & Anodized Aluminum Gears (left)

