

## Who We Are



### We Offer:

- **Anodizing**  
*Clear, Black, Red, Blue, Gold, & Green*
- **Chemical Film, Iridite & Chromate**  
*Clear & Yellow, RoHS Compliant, Type II*
- **RoHS Compliant, Type II**
- **Passivate**  
*Clear*
- **Alkali Etch**
- **MIL Specs**
- **All RoHS Compliance**
- **Metal Polishing/Buffering**
- **Electroplating & Custom Finishing**

Circle Finishing, Inc. offers all our customers excellent lead times, superior quality and rush services upon request. Please contact us to ask any questions you may have regarding our metal finishing services and how we can best serve you.

## Circle Finishing's Solar Panel System



Circle Finishing continues to make advances towards sustainable and environmentally friendly upgrades within its business practices and energy needs becoming a leader in the metal finishing polishing industry.

System Size: 123.2 KW

Total Number of Panels: 560

Estimated Annual KWH Production: 156,000

Enough to Power 16 Homes for One Year

Estimated Annual CO2 Emission Offset:  
195,000 lbs

Circle Finishing, Inc. | Circle Polishing, Inc.  
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## Metal Finishing

*Aluminum Specialists*  
*Anodizing*  
*Chromating*  
*Passivating*

## Metal Polishing

*Metal Polishing*  
*Metal Buffering*  
*Electroplating*  
*Custom Finishing*

**Rush Orders Available Upon Request**

## Metal Finishing

### Anodizing, Plating & Other Finishing

Circle Finishing is your single source for metal finishing requirements for aluminum, metal plating and other metal finishing services. We are equipped to handle a variety of other specific metal finishing requirements, including Sulfuric Anodizing and other specified metal finishing techniques.

### Anodizing, Chromating & Passivation

Circle Finishing is your one stop for Type II Anodizing, yellow and gold chromate (Alodine, Iridite, Chem. Film, etc.), RoHS Clear Chromate (*Restriction of Hazardous Substances*), and Citric Acid passivation of stainless steel. We are RoHS compliant with all of its finishes, with the exception of yellow chromate. We can process parts up to ten feet in length and up to 120 pounds.

Our operations are consistent with *ISO 9000* and we practice sustainability methods. For 18 years we have operated with zero discharge (no effluent waste stream ever enters the Municipal treatment plant). Our wet processes are fully contained to prevent an accidental spill to the environment.

We at Circle Finishing are fully committed to the Green Movement and strive to protect our natural resources.

### Trivalent Chromium Conversion

- Our Trivalent Chromium Conversion is environmentally safe, non-toxic and easy to handle.
- Produces a bright, clear finish.
- Hexavalent Chromium Free for aluminum alloys and cast aluminum.
- Matches or exceeds properties of conventional chromium conversion coatings, including bare corrosion protection.
- Is low contact resistance and meets electrical conductivity requirements on aluminum substrates, per MIL-DTL-81706 Class 3.

- Meets or exceeds MIL-DTL-81706 and MIL-5541 for bare corrosion 336 h in NSS per ASTM B-177, respectively, DIN 50021 SS.
- Temper resistant up to 100C with minimal loss in corrosion resistance.
- Suitable as pre-treatment before lacquering, powder coating and gluing.



### Benefits of Type II Anodizing

There are many benefits of Type II Anodizing. A sealed anodized part is stain resistant, easy to clean and is heat resistant up to the melting temperature of the aluminum itself. The process can be applied to all alloys of aluminum. The process gives the aluminum improved paint adhesion as well as providing good electrical insulation. The corrosion resistance that it provides is excellent for all applications including marine, industrial, medical, optical, electrical circuitry, artist forms, semi-conductors, sheet metal fabricators, furniture, and automobile hardware.

### Dyeing of Type II Anodizing

A big feature of Type II Anodizing is the ability to absorb dye and produce a variety of different colors. These can include black, blue, yellow, red, green, gold, and any number of combinations of different colors. The dyeing is useful for part identification, inventory control and pure aesthetics. Most colors are light fast and can withstand very bright or hot environments without degradation of the color.

## Metal Polishing

Circle Polishing, Inc. is a full service polishing and electroplating job shop. Our capabilities include polishing, buffing, sanding, and brush/satin finishes on most metals to required industrial specifications and decorative alike. We also offer many electroplated finishes to further complement industrial, decorative and restoration applications.

Our client list has encompassed a wide range of industries including electronic, aerospace, semi-conductor, medical, hardware, marine, and automotive.

We are able to serve applications ranging from single piece prototypes to large volume runs. Our goal is to exceed your expectations. We welcome your challenges utilizing all of our knowledge, experience and dedication our well trained team has to offer.

