



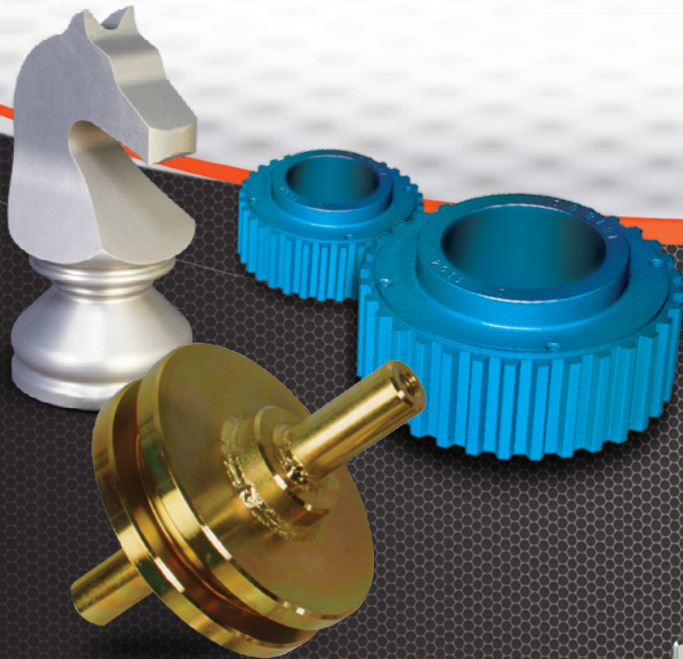
Our Mission: Enrich Lives by Delivering World Class Quality Finishing On Time, **Every Time.**

Since 1972, Douglas Finishing has provided precision anodizing, electroplating and powder coating services for major OEMs and quality-focused job shops in diverse industries. These industries include packaging, medical, defense, agriculture, laboratory, fasteners and heavy equipment.

As a 100% employee-owned company, we are committed to being successful. We believe our success depends upon serving our customers, our fellow employee owners and our community. We do this by continuously improving our processes and delivering world class quality finishing on time, every time.

Finishing Capabilities:

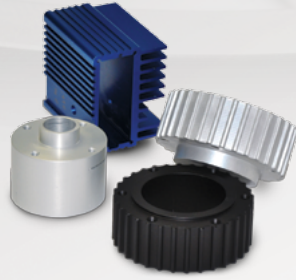
- **Sulfuric Acid Anodizing**
- **Hard Coat Anodizing**
- **Chem Film**
- **Zinc Plating**
- **Electroless Nickel Plating**
- **Powder Coating**



Sulfuric Acid Anodizing

Clear, Black and Blue
per MIL-A-8625 Type II

Sulfuric Acid Anodizing exhibits excellent corrosion resistance, very good abrasion resistance and the coating is an electrical insulator. It can be applied without a subsequent dye step (clear), or dyed after anodizing. Thicknesses of the coating are generally in the 0.0002" to 0.0009" range. We can coat parts as large as 78" long x 80" deep x 22" wide. This process is RoHS compliant.



Zinc Plating

Clear and Yellow per ASTM B633

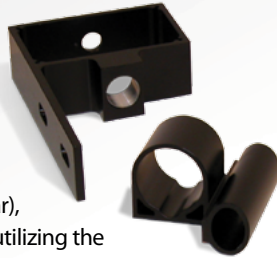
Zinc Plating is the electrolytic application of zinc by immersing clean steel parts in a chloride zinc solution and applying direct current. Douglas Finishing has both rack and barrel plating capabilities. We offer a clear chromate (trivalent chemistry – RoHS compliant) as well as a yellow chromate (hexavalent – not RoHS compliant). For high strength steel parts, we have the capability to bake the parts to reduce hydrogen embrittlement. We can coat parts as large as 96" long x 28" deep x 20" wide.



Hard Coat Anodizing

Clear, Black per MIL-A-8625 Type III

Hard Coat Anodizing exhibits excellent corrosion resistance along with superior wear resistance for applications that require a very durable coating. It can be applied without a subsequent dye step (clear), or dyed after anodizing, although we recommend utilizing the black dye because of inherent differences in the appearance of clear hard coated parts. Thicknesses of the coating are normally specified to be in the 0.0016" to 0.0024" range. We can coat parts as large as 78" long x 80" deep x 22" wide. This process is RoHS compliant.



Electroless Nickel Plating

High Phos and Low Phos per ASTM B733

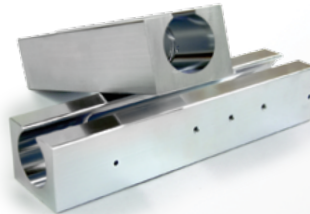
When corrosion resistance is critical to your product's success, Electroless Nickel Plating provides excellent corrosion resistance, very good wear resistance and plating thickness consistency. Douglas Finishing offers high phos (superior corrosion resistance) and low phos (superior wear resistance) coatings. We can coat parts as large as 142" long x 20" deep x 13" wide.



Chem Film

Chromate Conversion Coating
(aka Iridite or Alodine) per MIL-DTL-5541

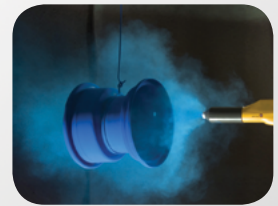
Chem Film is a chemical conversion coating that is used to passivate aluminum. It provides minimal corrosion protection for aluminum and is also used as an adhesion enhancing step prior to powder coating aluminum. We can coat parts as large as 78" long x 80" deep x 22" wide. Douglas Finishing utilizes a trivalent chrome version of this process that is RoHS compliant.



Powder Coating

50+ Powders in Stock

Powder Coating helps economically protect a variety of substrates in applications that do not require high wear resistance. Compared to liquid paints, powder paints provide a more durable coating while retaining an appealing finish. Our two powder coat booths and ovens can coat parts as large as 240" long x 96" wide x 96" high. Over fifty choices of in-stock colors for a variety of applications (indoor vs. outdoor) assure prompt turnaround times and high quality finishes.



QUALITY AND ENVIRONMENT



Our 40,000 square foot finishing facility includes a fully-staffed metal finishing processing area, supplemented by a full service chemical and waste water treatment laboratory.

Our regularly scheduled testing procedures ensure that our solutions remain in optimum conditions, ensuring a consistent finish. State of the art waste water treatment equipment helps us meet the stringent requirements of our local water treatment facility, the Minnesota Pollution Control Agency and the EPA.



With our extensive technical expertise and decades of experience in the industry, we can help you meet your metal finishing needs. Let our experienced staff help you evaluate the benefits and drawbacks of the available coating options. If the best finishing option is not one that we offer, we have multiple connections in the industry that we will gladly refer you to. We truly want to help you find the best solution for your parts.

For further information regarding your specific metal finishing needs, please contact us today!

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