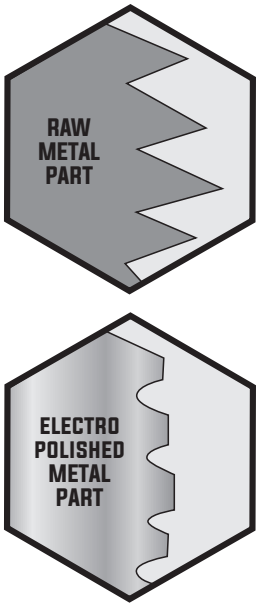
GIVE YOUR STAINLESS STEEL A BRIGHT FINISH WITH

ELECTROPOLISH

ADVANCED SURFACE FINISHING FOR CRITICAL STAINLESS STEEL COMPONENTS

Electropolish delivers superior cleanliness, corrosion resistance, and surface integrity for stainless steel components used in medical, food & beverage, and aerospace applications. Our new electropolish line combines the latest equipment, advanced automation, and modern process control to deliver consistent, repeatable results.



FEATURES & BENEFITS	ELECTROPOLISH	vs. PASSIVATION
Chromium-Enriched Passive Layer	✔	X
Minimizes Bacterial Adhesion & Bioburden	✔	X
Improves Fatigue Performance	✔	X
Removes Heat Tint & Oxide Scale	✔	X
Bright, Smooth Cosmetic Finish	✔	X
Cleans & Brightens Welded Areas	✔	X
Highly Uniform & Repeatable	✔	X

PASSIVATION CLEANS STAINLESS STEEL.

ELECTROPOLISH PERFECTS IT.

STATE-OF-THE-ART ELECTROPOLISHING

Our newly commissioned electropolishing system is engineered for precision, repeatability, and production efficiency. Automated controls ensure consistent process execution, reducing variability and delivering uniform results across complex geometries. Our process conforms to the specifications of ASTM B912 and ASTM 967.

TYPICAL APPLICATIONS

- Surgical Instruments
- Medical Device Components
- Food Processing Equipment
- Springs & Wire Forms
- Machine Parts
- Fittings
- Fluid System Components

ELECTRO POLISH CO.
METAL FINISHING • SINCE 1948

FOR ELECTROPOLISHING DELIVER TO PLANT 2
6161 VENTNOR AVE. DAYTON, OH 45414
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WWW.ELECTRO-POLISH.COM

OUR PROCESSES & SERVICES

ADD DURABILITY & CORROSION RESISTANCE

ALUMINUM

ANODIZE

HARD COAT

Our hard coat anodizing (Type III) adds an oxide layer to the aluminum surface that's thicker than the regular anodizing process (Type II). Parts produced with this thicker hard coat layer exhibit a more uniform appearance, increased abrasion resistance, and increased corrosion resistance compared to regular anodized parts.

DYED FINISH

In addition to increasing the corrosion resistance and durability of aluminum parts, our Type II anodizing can also enhance the aesthetics of the part by adding color. Choose from black, blue, green, and red.

CLEAR ANODIZE

Our clear Type II anodize process provides parts with a durable finish and exceptional corrosion resistance.

HEXAVALENT - GOLD - TRIVALENT - CLEAR

ALUMINUM

CHEMFILM

Our trivalent clear chemfilm is a sustainable, RoHS compliant, environmentally-friendly solution for applications where increased corrosion resistance, improved paint adhesion, and low electrical resistance is required.

ADD COLOR & DURABILITY

STEEL OR ALUMINUM

POWDER COAT

Powder coating is the fastest growing metal finishing method in the industry. If you send out for powder coat, give us a try! We have a variety of colors in stock. If we don't have what you need, we'll find it!

NITRIC & CITRIC

STAINLESS STEEL

PASSIVATION

Our Citric Passivate process is a sustainable, cost-effective, and environmentally-friendly alternative for chemically passivating and removing the impurities in stainless steel parts.

TYPE III HARD COAT

WE COMPLY WITH THE FOLLOWING MILITARY & AEROSPACE SPECIFICATIONS:

MIL-PRF-8625	Anodizing - clear, dyed and hard coat. Type II, Type IIB & Type III
AMS-2469	Hard Coat Anodizing
AMS-2473	Chemfilm Type I: Hexavalent (gold) Type II: Trivalent (clear, TCP, RoHS)
MIL-DTL-5541	Chemfilm Type I: Hexavalent (gold) Type II: Trivalent (clear, TCP, RoHS)
AMS-2700	Stainless Steel Passivation
ASTM A 967	Stainless Steel Passivation
ASTM B 912	Stainless Steel Electropolishing

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FOR THE ABOVE SERVICES DELIVER TO PLANT 1
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