



P.O. Box 2388  
555 North Freedom Avenue  
Alliance, Ohio 44601  
Phone (330) 821-3900 Outside Ohio (800) 275-3901  
Office Fax (330) 821-4282 Shop Fax (330) 821-8706  
[www.acme-chrome.com](http://www.acme-chrome.com)

## At ACME INDUSTRIAL GROUP

We're successful because . . .

### **We Don't Do It Alone**

To our current and future Valued Customers:

ACME Industrial Group was founded upon and profits from a profoundly simple principle. We believe our company must embrace a vision of service. Service to our Customers, our Employees, our Vendors and our world must prevail in all that we do.

Our commitment is expressed in our constant attempt to fulfill our customer's needs --- whether for specialized coatings and finishes, extended part life, extreme corrosion resistance, design consulting or rigid delivery schedules. It shows, too, in the longstanding relationships we enjoy with our employees and vendors. ACME Industrial Group's appreciation for God's gift of the earth has resulted in our strict standards of ecological stewardship.

At ACME Industrial Group, a strong Christian faith in "*Do unto others as you would have them do unto you*" is truly the basis of our business. All of these factors contribute to ACME being a vital part of the total community.

**Integrity, Excellence and Commitment** ..... ACME Industrial Group didn't set these standards, we just try to live up to them, and we credit our success to the One who did.

**YOU SEE . . . WE DON'T DO IT ALONE**

Sincerely,

*Rich Burton*

Richard W. Burton, Jr., President

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**COMMITTED TO QUALITY AND EXCELLENCE IN METAL FINISHING**

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## Hard Chrome

Also known as industrial, functional or engineering chromium plating. It is extremely hard and corrosion resistant, improves tool life and performance and can be used to salvage mis-machined parts. Hard chromium deposits are primarily applied to the base metal to increase the service life of a component.

## Electropolishing

Electropolishing is an electro-chemical process used to clean, brighten, deburr, polish, stress relieve and increase the corrosion resistance of stainless steel parts by removing free iron and hydrogen from the surface of the part. Electropolishing is typically used to improve parts cosmetically. It can be used on a variety of metals, most commonly stainless steel. The process is excellent for food processing and handling equipment, medical instruments, aerospace components, automotive trim, marine components, delicate stampings, gears, splines and springs.

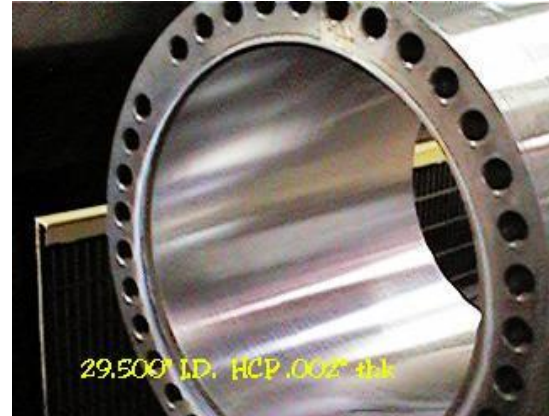
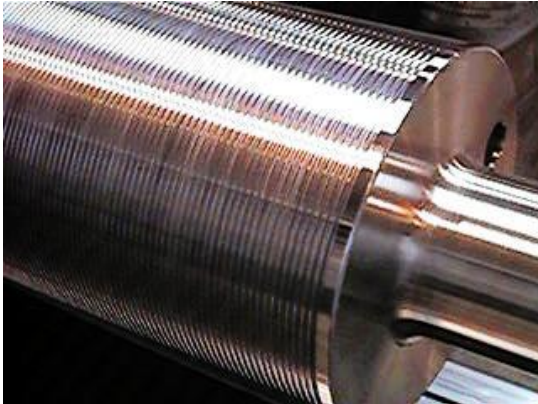
## Passivation

Passivation is a chemical process used to further increase the corrosion resistance of stainless steel parts. Passivation treatments improve the surface of stainless steel by dissolving free iron that has been imbedded in the surface during machining or forming. The process is excellent for food processing and food handling equipment, medical instruments and related components, aerospace components, cookware, utensils and fasteners.



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Hard Chrome is accepted throughout industry as an OEM coating which provides a surface that is extremely wear and corrosion resistant. Offering over 200 years of combined experience, Acme prides itself on the ability to precision plate both OD and ID surfaces.



Hard Chrome is also an economical means to repair damaged or mis-machined parts rather than replacing them. We also offer 'Chrome over Chrome/Duplex Plating' for improved corrosion protection and wear resistance, (also a cost-effective alternative to stainless steel).



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Acme's capacities range from 36" diameter to 360" long.



Our polishing lathes have the ability to polish any cylindrical parts that we are able to hard chrome plate. With OD polishing capabilities of 28" diameter up to 330" long, Acme can achieve your particular RMS finish before or after plating. We are able to grind or polish anything we can plate!

Our metal plating and finishing facility is conveniently located in Alliance, Ohio.

Regional delivery service is available upon request.

For more information, call us at (330) 821-3900 or find us at . . . . .

[www.acme-chrome.com](http://www.acme-chrome.com)

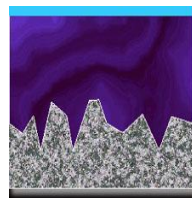
# Electropolishing

*Improves microfinishes, removes fine burrs, polishes, brightens, and eliminates surface imperfections, removes free iron and other corrosion-causing impurities. Salvages out-of-tolerance components without having to be re-machined.*

Electropolishing is an electro-chemical process used to clean, brighten, deburr, polish, and further increase the corrosion resistance of stainless steel parts. Electropolishing is typically used to improve a part's cosmetic value and prevents micro-bacterial growth. The process is excellent for food processing and food handling equipment, medical instruments and related components, automotive trim, delicate stampings, gears, splines and springs.

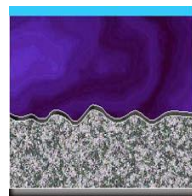
- ◆ Medical & Dental instruments and Orthopedic devices
- ◆ Food processing machinery
- ◆ Stainless steel fabricated components
- ◆ Aerospace & Military components
- ◆ Cookware and utensils
- ◆ Marine components
- ◆ Fasteners
- ◆ ASTM B912-02

Before



Surface profile of work piece before electropolishing.

After



Action of electropolishing demonstrating the leveling effect and chrome-enriched surface layer.

**Quality - On Time, 1<sup>st</sup> Time, Every Time!!**

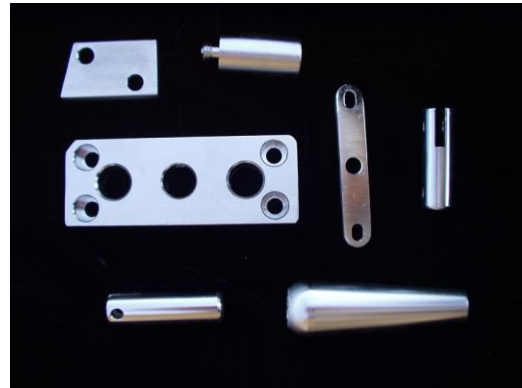
## Passivation

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*The passivation process improves the corrosion resistance properties of stainless steels by removing surface contamination, usually iron, so that the optimum corrosion resistance of the stainless steel will be maintained.*

Passivation is a chemical process used to further increase the corrosion resistance of stainless steel parts. Passivation improves the surface of stainless steel by dissolving free iron that has been imbedded in the surface during machining or forming. The process is excellent for food processing and food handling equipment, medical instruments and related components.

- ◆ Medical & Dental instruments and devices
- ◆ Food processing machinery
- ◆ Automotive components
- ◆ Aerospace components
- ◆ Cookware and utensils
- ◆ Fasteners
- ◆ AMS QQ-P-35C, ASTM A-967-96



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## **SERVICES AVAILABLE AT ACME INDUSTRIAL GROUP, ALLIANCE, OHIO**

- **INDUSTRIAL HARD CHROME**
- **ELECTROPOLISHING**
- **PASSIVATION**
- **GRINDING AND POLISHING**
- **DESIGN AND CONSULTING FOR METAL FINISHING**
- **CHROME OVER CHROME DUPLEX PLATING**

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