

## Design and Implementation Meet

Since 1998, TriChem Technologies has been proud to design, create, and supply technology services to the surface cleaning, metal engraving, and general metal finishing industries. From aerospace and defense applications to glass processing and solar panels, TriChem has been developing innovative solutions as a comprehensive distribution firm for a wide variety of applications.

With a combined 30 years of experience, TriChem is able to support all aspects of the industrial process -- from metal etching and coating, stripping to anodizing, and waste/water treatment projects. Custom-designed chemical and equipment processes can be implemented to meet your needs and to ensure that all services provide maximum benefit and waste minimization.

No matter the project or the nature of your chemical/equipment system -- TriChem has the answer!

*Our products and services for these finishing industries are crucial tools to keeping cutting-edge technologies working effectively.*

*The most advanced chemical and equipment systems require periodic maintenance and service.*

*The support program developed by your TriChem professional will help ensure that the quality and integrity of your product is maintained.*

***SERVICE IS OUR #1 PRIORITY!***

### **TriChem Technologies, Inc.**

87 Ferncliff Avenue  
Boardman, Ohio 44512

Phone: 330.233.1692  
E-mail: [tbarringer@trichemtech.com](mailto:tbarringer@trichemtech.com)  
Website: [www.trichemtech.com](http://www.trichemtech.com)



Surface Cleaning,  
Preparation,  
and Finishing Systems

*Products for  
Aerospace and Defense,  
Glass Processing,  
Solar Cells,  
Metal Finishing,  
Photo Chemical Machining  
(Chem Milling) and  
Printed Circuit Boards*

## EQUIPMENT

### Chemcut Corporation

- Conveyorized-spray
- Cleaning
- Etching
- Developing
- Stripping
  - Scrubbing/Deburring
- Filtering
- Waste Treatment
- Etchant Regeneration
- Dryers

### Complete Spray Wash & Plating Lines

### Tanks

- Metal, Fiberglass, Plastic,
- Drop In Liners

### Heating & Cooling

- Heaters
  - Electric, Steam
- Cooling

### Additional Items

- Anodes and Baskets
  - Anodes
    - Copper, Zinc, Nickel
    - Tin, Silver, and Inert
  - Baskets
    - Steel, Titanium, Bags
- Filtration: Systems, Media
- Dryers: Spin, Heated
- Baskets: Metal, Plastic
- Evaporators
- Barrels
  - Plating, Phosphating, and Oxide
- Pumps, Rectifiers, Ultrasonic Units

### Controllers

- Anodize
- Electroless Nickel
- Electroless Copper
- Acid

### Laboratory Equipment

## CHEMICAL SYSTEMS

### Electroless Nickel

- Low-, Mid-, High-Phos Contents
- PTFE, Silicon Carbide, Boron

### Plating Additives

- Zinc, Zinc Alloys, Nickel,
- Tin, Tin/Lead, Copper

### Precious Metal Plating Systems

- Gold, Silver,
- Platinum, Palladium
- Rhodium, Ruthenium

- Rack, Barrel, Reel to Reel

### Specialty Plating Systems

- Miralloy-Trimetal (Copper, Zinc, Tin)
- Alkaline Non-Cyanide Copper
- Electrolytic NiP (like EN)
- ENIG and ENEPIG Systems

### Aluminum Processing Systems

- Complete Anodizing Processes
  - Standard (type II) and
  - Hardcoat (type III)
- Clean, Etch, Desmut,
- Anodizing Additive, Organic Dyes
- Electrolytic Coloring, Seals,
- Anodize Stripper

### Plating Support Processes

- Accelerators, Acid Replacements
- Oxide, Bright Dips, Zincate

### Cleaning Processes

- Liquid, Powder, Spray, Immersion,
- Electro, Ultrasonic, Solvent,
- Non-Solvent

### Water & Waste Treatment

- Coagulants, Cationic Polymers,
- Precipitants, Anionic Polymers,
- Antifoams
- NSF Approved
  - Drinking Water Products
- Boiler Water, Cooling Water

### Additional Processes

### Laboratory Chemicals and Services

- Titration, Reagents,
- Indicators, and Standards
- Application Specific Kits
- Chemical Analysis

### Chromate Conversion Coatings

- Aluminum (Tri and Hex)
- Zinc and Zinc Alloys (Tri and Hex)

### Strippers

- Metal and Organic Films

### Black Oxide

### Etchants

- Ferric Chloride, Cupric Chloride
- Ferric Nitrate
- Acid-Based Copper Micro-Etchants,
- Alkaline-Based Copper Etchant

### Phosphate Coatings

- Iron, Zinc, Manganese,
- Spray / Immersion,
- Zirconium-Based Replacements

### Rust Preventatives and Anti-Tarnishes

### Industrial Coatings

- Solvent Based / Water Based
- Interior / Exterior
- Conductive Coatings
- Lacquers / Polyurethanes
- Colors
- Primers
- Thinners / Retarders / Strippers
- LEED Coatings
- Green Seal Certified

### Commodity Chemicals