



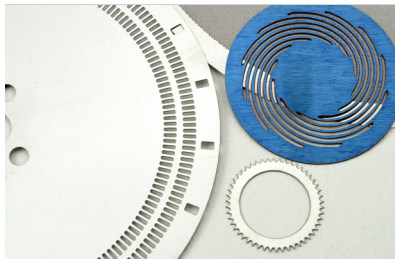
ChemTec USA

PRECISION METAL SOLUTIONS FOR MANUFACTURING EXCELLENCE

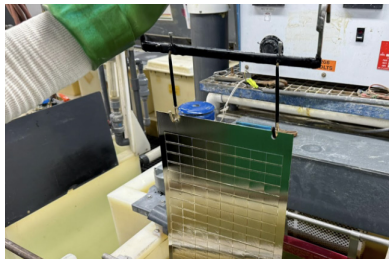
Who We Are

For half a century, ChemTecUSA has specialized in precision metal components for industries including aerospace, defense, medical, electronics, oil and gas, and energy. As a veteran-founded division of ChemArt and an ISO 9001:2015-certified facility, we're fully integrated across multiple verticals to deliver high-quality, custom-engineered, burr-free parts, made in the USA. Our team collaborates closely with engineers to turn complex specifications into high-quality components, fast. ChemTecUSA is where Quality Drive meets the New England Way.

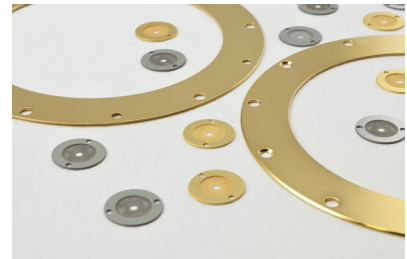
Our Processes



Etching: Chemical etching (PCM) for complex, burr-free parts.



Plating: Durable, functional finishes for enhanced performance. Wide range of decorative plating options available.



Drilling: Precision holes and features for any application.



Forming: From flat blanks to fully formed components.



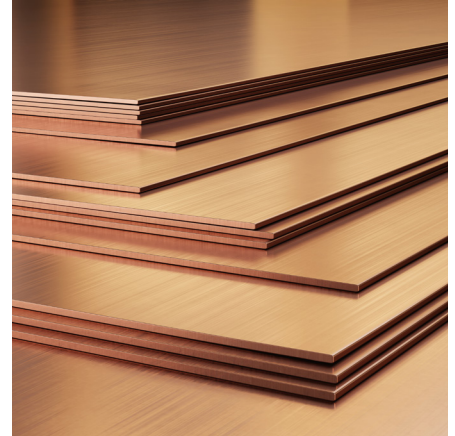
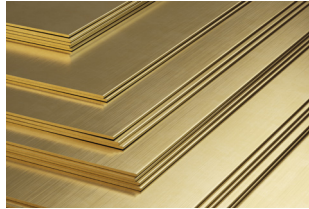
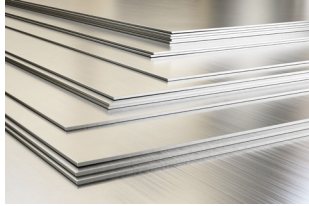
Precision Screen and full color Digital Printing: Custom branding and functional surface applications.



Hand Assembly: Precise assembly of components.

Materials We Work With

Brass	Nickel
Copper	Kovar®
Beryllium Copper	Electronic Alloys
Stainless Steel	Carbon Steels



Common Finishes (but not limited to)

All finish specifications have been validated. Regarding S414: While not an official ASTM/MIL/AMS designation, it is widely used in industry to describe electroless nickel plating (nickel-phosphorus).

- **Black Oxide:** MIL-C-13924, AMS 2485
- **Copper:** ASTM B734, MIL-C-14550, AMS 2418
- **Gold:** ASTM B488, MIL-G-45204, AMS 2422, AMS 2425
- **Nickel (Electrolytic):** ASTM B689, AMS-QQ-N-290, AMS 2403
- **Nickel (Electroless):** MIL-C-26074, ASTM B733, AMS 2404, S414
- **Sulfamate Nickel:** ASTM B689, MIL-P-27418, AMS 2403
- **Tin:** MIL-T-16727, AMS 2408
- **Tin (Pure Matte/Bright):** ASTM B545, MIL-T-10727
- **Tin-Lead (90/10, 60/40):** ASTM B579, MIL-P-81728
- **Zinc:** ASTM B633, AMS 2402

Why Choose ChemTec?

Precision: Specializing in etched parts and components using chemical etching (PCM) processes.

Versatility: From prototypes to high-volume production.

Quality: ISO 9001:2015-certified processes ensure reliability.

Experience: A half-century of serving industries like electronics, medical, and oil & gas

Made in the USA: Veteran founded

Applications for Manufacturers

- Custom enclosures and housings
- Electrical contacts and connectors
- Heat sinks, shields, and gaskets
- Precision shims and components

Other Products Include:

- Filters
- Flow measuring components
- Screens
- Encoder discs
- Springs
- Sharps

Let's Build Together

Our expert engineers and designers are ready to turn your specifications into reality with fast turnarounds, high quality, and competitive pricing. **Request a Quote Today!**

