

# Photochemical Etching

E-Fab is a leading provider of photochemical etching manufacturing services, an ideal process for precision thin metal parts. Photochemical etching is also known as photochemical machining (PCM) and chemical blanking.

Photochemical etching enables us to deliver parts with complex or intricate geometries and tight tolerances for customers in the telecommunications, defense, medical, and electronics industries.

## Why Use Photochemical Etching

There are several benefits of utilizing photochemical etching to produce precision thin metal parts.

### Economic Choice

Digitally rendered designs and chemical etchants equal reduced tooling costs during production compared to mechanical machining manufacturing.

### Detailed Parts

Photochemical etching produces parts with greater complexity and tighter tolerances from thin metals like copper, brass, stainless steel, and more.

### Faster Turnaround

Because the photochemical etching process begins on a computer, it is faster to get parts into production, and there are minimal retooling costs or delays if a change is required.

### Better Surface Finishes

Parts processed via photochemical etching have minimal surface burrs and imperfections, which reduces the need for additional finishing procedures.

## Our Certifications



ISO 9001:2015



ITAR

## We are E-FAB

A TPC COMPANY

We are an expert team of engineers, manufacturers, and quality assurance specialists that deliver precision parts with ultimate accuracy. We serve technology companies, defense contractors, medical equipment manufacturers, and innovators from our Santa Clara, California headquarters.

### Address

1075 Richard Avenue  
Santa Clara, CA 95050  
United States

### Contact

Main Phone: (408) 727-5218  
Toll Free: (800) 600-3322  
Fax: (408) 988-3342  
info@e-fab.com