

FATHOM NEWARK

Advanced Chemical Etching for High-Precision Components

Newcut by Fathom is a pioneer in photochemical etching, delivering high-precision flat metal components for over 50 years. Trusted across industries for exceptional quality, accuracy, and service, we combine advanced etching technology, rapid lead times, and specialty metal expertise to support customers nationwide.



Newcut by Fathom

401 W Shore Blvd,
Newark, NY 14513
315-331-7680



Exceptional
Quality

50+

Years in
Photochemical
Machining



Highest
Standards



Aerospace
Certified

Precision Metal Etching: Flat Parts Done Fast.

Vertical Integration



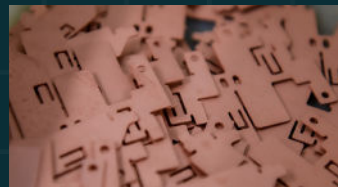
- + Cad Services
- + Film Tool Production
- + 7 Dedicated Etching Lines
- + Full Service Quality Dept

Photochemical Machining

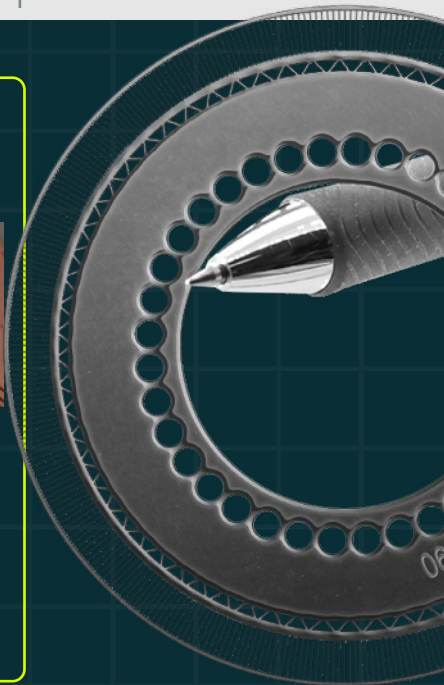


- + Thin Metals Ferrous/Nonferrous
- + Highly Toleranced/Complex Geometry
- + Proto/Production Volumes
- + No Heat Affected Zone

Post Processing



- + Precision Forming
- + Plating
- + Heat Treating



Industry Application Expertise



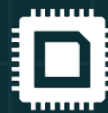
- + Braze Foil Preforms
- + Screens
- + EMI/RFI Shielding
- + Optical Reticles



- + Surgical Tools
- + Pacemaker Components
- + Filters & Meshes
- + MRI & CT Machine Components



- + Optical Encoder
- + Electrical Connectors
- + Micro-Screens & Shims
- + Spring Contacts



- + Lead Frames
- + Heat Sinks
- + EMI/RFI Shielding
- + Electrical Contacts & Springs



- + Lead Frames
- + Electronics
- + Filtration
- + Fuel Cell & Battery Components



- + Electrolyzer Components
- + Electrical Contacts & Springs
- + Thermal Management
- + Sensors & Controls

DESIGNED AROUND YOU

Fathom is a premier U.S. contract manufacturer with 7 locations nationwide and a global sourcing network. We offer 30+ advanced manufacturing technologies and deliver expert-driven, scalable solutions with white-glove support from prototype through production.

30+ Advanced Manufacturing Technologies



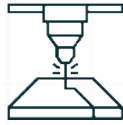
3D Printing Services

- + SLS Printing
- + MJF Printing
- + DMLS Printing
- + FDM Printing
- + Post Process



CNC Machining

- + Wire EDM
- + Sinkers EDM
- + 3/4/5 Axis
- + CNC Turning
- + CNC Milling
- + Photochemical Machining



Metal Cutting & Forming

- + Water Jet Cutting
- + Laser Cutting
- + Large-Format Sheet Metal
- + Photochemical Etching



Molding

- + Silicone
- + Reaction Injection
- + Injection
- + Compression
- + Cast Urethane



Extrusion

- + Plastic Extrusion
- + Metal Extrusion



Die Casting

- + Vacuum Die
- + Low Pressure Die
- + High Pressure Die



Assembly

- + Clean
- + Heat Treatment
- + Surface Finishing
- + Assembly



Inspection

- + Non-Destructive Testing
- + Destructive Testing
- + CMM

The Fathom Portfolio



30+

Different Manufacturing Processes



7

Locations Nationwide



400K+

Square Feet of Manufacturing Space



530+

Manufacturing Machines



*Certifications vary by location.

Built for Complex Parts, Regulated Markets & Demanding Production



Aerospace & Defense

6,300+

Components delivered for defense & aerospace



Medical

10,000+

Medical components produced each year



Automation & Robotics

20+

Automation OEMs and emerging tech startups



Semiconductors

5,000+

Components for chip processing equipment



Auto & EV

25+

Parts in different EV platforms



ICT & Energy

5000

Cooling plates for server racks