

FATHOM®

DIGITAL MANUFACTURING. **REIMAGINED.**™

Contract Manufacturing **Designed Around You.**

Fathom brings **50+ manufacturing capabilities** together across **10 U.S. locations,** backed by **decades of hands-on expertise.**
From early prototypes and new product introduction to repeat production, our engineers help you solve complex manufacturing challenges with the right processes, coordinated execution and white-glove support.

50+ manufacturing capabilities

10 U.S. locations

700K sq. ft. of manufacturing space

800+ pieces of manufacturing, inspection & support equipment

The **scale** to do more. The **people** to see it through.

Simplify your supply chain.
Bring multiple processes together through one manufacturing partner.

Solve challenges earlier.
Get practical design and process guidance before production.

Keep your program moving.
Connect rapid NPI iteration with repeatable production.

Get support that knows your program.
Work with people who understand your requirements and priorities.

Built for **critical & highly regulated industries**

Aerospace & Defense
Precision housings, structural brackets and electronic assemblies for aerospace and defense systems.

Robotics & Automation
Motion-system components, robotic housings and automation assemblies.

Medical Devices
Instrument components, diagnostic equipment housings and electromechanical assemblies.

Semiconductors
Precision components for wafer handling and chip-processing equipment.

ICT, Data Centers & Energy
Cooling plates, equipment enclosures and power-system components.

Automotive & EV
Prototype and production components, enclosures and manufacturing fixtures.

More capabilities. **Fewer handoffs.**

Manufacturing technologies and supporting services across the Fathom portfolio and sourcing network.



3D Printing Services

DMLS, FDM, MJF, PolyJet, SLA and SLS Printing; Additive Post Processing.

76 3D Printers



CNC Machining

3-Axis, 4-Axis and 5-Axis Machining; CNC Turning; Swiss CNC Turning; Mill-Turn Machining; Hard Turning & Thin-Wall Turning; Wire EDM; Sinker EDM.

382 Machining, Turning & EDM Machines



Precision Grinding

Cylindrical Grinding; Surface Grinding; Creep Feed Grinding.

25 Grinding Machines



Metal Cutting & Forming

Large-Format Sheet Metal Fabrication; Laser Cutting; Water Jet Cutting; Photochemical Etching / Machining; Sheet Metal Punching, Bending & Hardware Insertion; Stamping.

85 Fabrication & Photochemical Processing Machines and Systems



Molding

Injection Molding; Cast Urethane Molding; Compression Molding; Reaction Injection Molding; Silicone Molding.

6 U.S.Injection Molding Machines, Plus Sourcing Options through Fathom Edgeworks



Welding & Aluminum Dip Brazing

Laser, TIG, MIG and Spot / Resistance Welding; Aluminum Dip Brazing.

35 Welding & Brazing systems



Electronics Assembly

PCB Assembly; Cable & Wire Harness Assembly; Electronic Box Builds; Electronics Testing & Inspection.

37 Assembly, Test & Support Machines and Systems



Inspection Services

Dimensional Inspection / CMM; Optical & Laser Inspection; Destructive Testing; Non-Destructive Testing.

60 Dimensional & Visual Inspection Systems



Assembly & Finishing

Mechanical & Electromechanical Assembly; Cleaning; Heat Treatment; Surface Finishing, including Painting, Powder Coating, Deburring, Blasting and Part Marking.



Extrusion

Metal Extrusion; Plastic Extrusion.



Die Casting

High Pressure Die Casting; Low Pressure Die Casting; Vacuum Die Casting.

Made in America. **More options through Fathom Edgeworks.**

Build domestically through Fathom's U.S. manufacturing network. When cost targets or capacity needs call for another approach, Fathom Edgeworks connects you with domestic, nearshore and offshore sourcing solutions, backed by U.S. engineering oversight and Fathom support.

Quality and Compliance

ISO 9001:2015 · ISO 13485:2016 · AS9100:2016 · ITAR REGISTERED · NIST 800-171 · CMMC 2.0

Certifications, registrations and compliance vary by location.

Bring us your next manufacturing challenge.
Talk with a Fathom expert about your next prototype, NPI or production program.

fathommfg.com · expert@fathommfg.com · 877-328-4668