Advanced Prototyping & Manufacturing Services

Fathom provides advanced rapid prototyping and on-demand low volume production services. We are creative problem solvers that deliver high efficiency outcomes. Every time.

Why Work With Fathom?

We make your parts to your specifications, we won’t put you in a box of manufacturing constraints, and we’re definitely not a broker who will send out your parts to other companies. We’re driven to provide a DIFFERENTIATED customer experience with speed, urgency & agility.

Talk to an Expert

gofathommfg.com/dynamic
expert@fathommfg.com
877-FATHOM-8

The Best Brands in the World Put Their Trust in Fathom

Fathom is driven by advanced technologies and methods that enhance and accelerate today’s product development and production processes.

7 of the top 10 Fortune 500 Aerospace and Defense companies choose Fathom
8 of the top 10 Fortune 500 Industrial companies choose Fathom
9 of the top 10 Fortune 500 companies in the world choose Fathom

Let’s transform the future of manufacturing TOGETHER!

ISO 9001:2015 Certified + AS9100 Rev. D Certified + ITAR Registered + NIST 800-171 Compliant
## Advanced Prototyping & Manufacturing Services

### PolyJet Technology
- 900+ Materials (From Rigid to Flexible)
- Multi-Material & Multi-Color Parts
- Simulate Overmolding
- 500,000 Vibrant Colors, including Pantone®
- Ideal for Fine Details & Smooth Surfaces

### FDM Technology
- Parts in Real Production-Grade Thermoplastics
- High Durability, Excellent Mechanical, & Thermal Properties
- Fixtures & Tools, Functional Models, End-Use Parts

### SLS Technology
- Nylon 12 and Nylon 12GF, Nylon 11 and Nylon 11 Carbon Filled, TPU Shore 88A
- Durable Production Grade Materials
- White / Off-White + Color Dye Options

### MJF Technology
- Nylon 11 and Nylon 12 in Gray or Dyed Black
- Durable Production-Grade Parts
- Medium / High Resolution

### SLA Technology
- High-Resolution & Complex Geometries
- Larger Aesthetic Models
- Durable, Excellent Mechanical, & Thermal Properties

### DMLS Technology
- Aluminum, Titanium, Cobalt Chrome, Nickel Alloy
- Inconel, Maraging, & Stainless Steel
- Highly Complex Structures, Including Organic Surfaces
- Post Processing Machining & Finishing Capabilities

### CNC Machining
- 3 & 5 Axis Milling & Turning
- Many Material & Texturing Options
- Production Plastics & Metals
- High-Quality Surface Finishing
- Tolerance Accuracy Range of +/-0.001” to 0.005”
- Lead Times As Fast As NEXT DAY

### Urethane Casting
- Create Production-Quality Parts (Up to 200)
- Materials Mimic Production Thermoplastics (Including ABS-Like, WaterClear, UL94 V0-Rated, Heat Resistant, Polypropylene-Like, Various Rubber Hardnesses, etc.)

### Rapid Tooling & Injection Molding
- Low-To-High Volume Molding Needs
- 30 Second Quotes Through ICOMold by Fathom Quoting Tool at ICOMold.com
- Prototype Tool In As Soon As 10 Days & 10K Parts in 14 Days
- Production Tool In As Soon As 3 Weeks

### Model Assembly & Finishing
- Sanding, Priming, Painting & Assembly
- Stock Components & Custom Artwork

### Engineering & Design Support
- Additive Manufacturing Expertise
- Mechanical Concept Development
- Design for Manufacturing (Traditional & Additive)
- Industrial Design Support
- Advanced Prototyping

**Accepted Files for Additive Technologies**
- STL, IGES, STEP, SolidWorks

**Accepted Files for CNC, Casting & Injection Molding**
- IGES, STEP, SolidWorks

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**Get a Quote Now. Get Parts Fast.**

Fathom’s online platform that provides designers and engineers with quick & easy access to quotes and orders for prototyping and production parts—get started at go.fathomfmg.com/ondemand