

PRECISION PROCESS CORPORATION //

Fathom Elk Grove

ILLINOIS

Key Capabilities

- High/Med Volume Precision CNC Machining & Grinding
- Standard & Specialty Material Expertise
- Quality Control
- Wire & Sinker EDM Cutting
- Design & Engineering Support

Certifications

- ISO 9001:2015 Design Certified

Get a Quote

- fathommfg.com/ppc
- sales.elkgrove@fathommfg.com
- 847-952-8088
- 1401 Brummel Avenue
Elk Grove, IL 60007

High-Precision Machining Leader

Established in 1987, Fathom Elk Grove (formerly Precision Process Corporation) is a manufacturing company that offers integrated engineering-to-production services. Fathom Elk Grove specializes in prototype, small-run and mass production of parts and components for medical, technology, automotive and metal stamping industries. Fathom Elk Grove delivers complex and innovative products with high efficiency and high-quality standards while remaining cost competitive.

Take Advantage of Additional Fathom Capabilities

Comprehensive capabilities for every stage of your product's lifecycle

- Additive Technologies (SLS, FDM, DMLS & more)
- Advanced Manufacturing like CNC, Metal Cutting, Injection Molding & Urethane Casting

Go from concept to prototype to manufacturing in ways not previously possible. Learn more on the next pages →



25+ Different
Manufacturing Processes



7 Additive
Technologies



530+ Mills, Lathes,
Presses, 3D Printers



DIGITAL MANUFACTURING. REIMAGINED.™

Advanced Prototyping & Manufacturing

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



25+

Different Manufacturing Processes



50+

Years of Problem Solving Experience



12

Manufacturing Locations Across National Time Zones



7

Additive Technologies



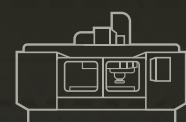
24 hrs

Receive Custom Parts in as Soon as 24 Hours



450k+

Square Feet of Manufacturing Space



530+

Mills, Lathes, Presses, Press Brakes, Turret Punches & Additive Systems



90+

Industrial Grade/Large Format Additive Systems

Certified for your Specialized Projects

Ready for your high-quality, compliant projects.

ISO 9001:2015 Certified + AS9100 Rev. D Certified + ITAR Registered + NIST 800-171 Compliant + ISO 13485 Certified

*For site specific certifications, please visit: fathommfg.com/fathom-manufacturing-certifications



Additive Prototyping & Manufacturing Services

PolyJet Technology



- Parts In As Soon As Same-Day
- 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 As Soon As Next-Day
- Parts in Real Production-Grade Thermoplastics
- High Durability, Excellent Mechanical, & Thermal Properties
- Fixtures & Tools, Functional Models, End-Use Parts

SLS Technology



- Parts In As Soon As 2 Days
- 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



- Parts In As Soon As 2 Days
- Nylon 11 and Nylon 12 in Gray or Dyed Black
- Durable Production-Grade Parts
- Medium / High Resolution

SLA Technology



- Parts In As Soon As Next-Day
- High-Resolution & Complex Geometries
- Larger Aesthetic Models
- Durable, Excellent Mechanical & Thermal Properties

DMLS Technology



- Parts In As Soon As 3 Days
- Aluminum, Titanium, Cobalt Chrome, Nickel Alloy
- Inconel, Maraging & Stainless Steel
- Highly Complex Structures, Including Organic Surfaces
- Post Processing Machining & Finishing Capabilities



SMARTQUOTE®

Get a Quote Now. Get Parts Fast.

go.fathommf.com/quotenow

Advanced Prototyping & Manufacturing Services

CNC Machining



- Parts In As Soon As 5 Days
- 3- & 5-Axis Milling & Turning
- Production Plastic & Metal Material Options
- Precision Swiss Screw Machining
- Sinker/Ram EDM Cutting
- High-Quality Surface Finishing
- Tolerance Accuracy Range of $+\/-0.001"$ to 0.005"

Urethane Casting

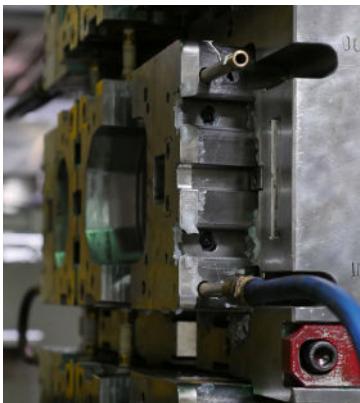


- Parts In As Soon As 7 Days
- Create Production-Quality Parts (Up to 200)
- Materials Mimic Production Thermoplastics (Including ABS-Like, WaterClear, UL94 VO-Rated, Heat Resistant, Polypropylene-Like, Various Rubber Hardnesses, etc.)

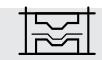
Rapid Tooling & Injection Molding



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

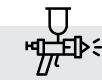


Sheet Metal Cutting & Forming



- Parts In As Soon As 5 Days with Next-Day Expedite Option
- Laser & Waterjet Cutting
- Wire EDM Cutting
- Photochemical Machining / Chemical Etching
- Sheet Metal Bending, Forming, Stamping
- Hardware Installation / Assembly
- Finishing, Welding, Sanding, Powder Coating, Screen Printing, Heat Treating & Plating

Complex Assembly & Finishing



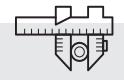
- Sanding, Priming, Painting & Assembly
- Stock Components & Custom Artwork
- Cleanroom Assembly Capabilities

Engineering & Design Support

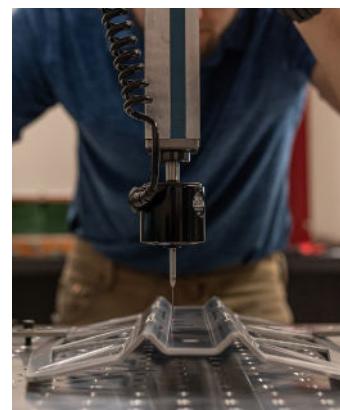


- Additive Manufacturing Expertise
- Mechanical Concept Development
- Design for Manufacturing (Advanced & Additive)
- Industrial Design Support

Quality Assurance



- Climate Controlled Measurement Labs
- DCC CMM & Laser Scanning Capabilities
- Non-Contact Measurement
- First Article Inspection



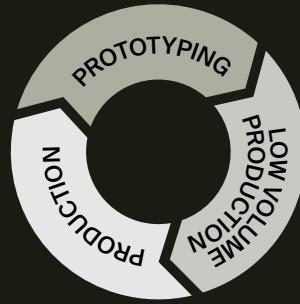
Fathom's online platform provides designers and engineers with **quick & easy access to quotes and orders for prototyping and production parts.**

Accepted File Types

Additive Technologies // STP, STEP, IGES, SLDPR, 3DM, SAT, X_T, STL, OBJ
Advanced Technologies // STP, STEP, IGES, SLDPR, 3DM, SAT, X_T

Accelerate Your Time to Market

Fathom's advanced technologies and methods enhance and accelerate today's product development and production processes.



PROTOTYPING

LOW VOLUME PRODUCTION

PRODUCTION

Additive Manufacturing // FDM, PolyJet, SLS, SLA, MJF, DMLS	Additive Manufacturing // FDM, SLS, MJF, DMLS	Additive Manufacturing // SLS, DMLS
Metal Cutting & Forming // Laser Cutting, Press Brake Forming, Water Jet Cutting (Large & Micro), Photochemical Etching	Metal Cutting & Forming // Laser Cutting, Precision Forming & Stamping, Photochemical Etching, Water Jet Cutting (Large)	Metal Cutting & Forming // Laser Cutting, Precision Forming & Fully Automated Metal Stamping, Photochemical Etching
CNC Machining	CNC Machining	CNC Machining
Urethane Casting	Injection Molding & Urethane Casting	Injection Molding
Assembly & Finishing	Assembly & Finishing	Assembly & Finishing
Engineering & Design Support	Engineering & Design Support	Engineering & Design Support

Talk to an **Expert**

Working with Fathom means easy access to Additive and Advanced manufacturing experts.

Contact us today, and let's transform the future of manufacturing together!

► go.fathommfg.com/expert

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