

EDM Department

Engineer. Develop. Manufacture.

RAPID PROTOTYPING CAPABILITIES

Over the last 20 years, EDM Department has become a leader in rapid prototyping and quick-turn manufacturing. Leveraging the skills and expertise of our experienced engineers and product development team, EDM Department knows how to manufacture to the highest precision standards.

We're not your traditional manufacturer; we utilize flexible manufacturing processes that allow us to meet various price, precision and delivery requirements. From design and 3D model to production and verification, EDM Department is your ideal rapid prototyping partner.

We'll work with your team to Engineer, Develop and Manufacture even your most intricate and detailed part and then utilize Alicona© 3D scanning technology for 1st article inspection and verification.

Although we manufacture production level volumes as well, EDM Department prides itself on our low-volume prototype work and believe that in combination with our precision, accuracy and 3D verification process this is what differentiates us from our competition.

Capabilities

- Intricate & labor-intensive parts
- Wide variety of machining capabilities
- Wire & Sinker EDM
- Precision & Micro Milling
- Precision Grinding
- Turning
- 3D Optical Metrology
- Quick turn around
- Lead Time as short as 3 days

Benefits of Working with EDM Department

- Shorter product development cycles
- Surface roughness inspection
- Custom Parts & Prototypes
- Advanced & Detailed Quotations
- Highly Scalable
- High Quality Work
- Quantities from 1-50+
- 3D part scan to 3D CAD model overlays with difference modeling

Connect with us
for your next
precision project:

630.736.0531
edmdept.com

DID YOU KNOW?

EDM Dept has worked with National Accelerator Laboratories, such as SLAC, to manufacture copper and stainless steel structures to study the effect of material on rf breakdown at a short pulse

Contact us at 630.736.0531 • info@edmdept.com • edmdept.com

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Companies choose EDM Department because we push the limits of traditional manufacturing by combining our customers' expertise with our advanced capabilities and experience. Let Us Show You How.



Laboratories and Researchers choose us because:

... **we know prototyping.** We know the process. We know the quality standards. We know the struggles. We know that prototypes must be designed, manufactured and engineered to the highest quality standards and meet all necessary specifications.

... **we know precision.** Our laser focus on precision, tolerances and surface roughness has us constantly looking for ways to improve our manufacturing processes. We stretch the limits of manufacturing to find new ways to achieve results our customers need while reducing production costs. In fact, EDM Dept is an active partner in US Government's Digital Manufacturing & Design Innovation Institute to continue to lead manufacturing technologies.

...**we complement your team.** Our vertically integrated manufacturing process allows us to offer solutions from production runs to supplementing your engineering capabilities to 1st article inspection and verification. Whether you are looking to take a concept model to form or seeking short-run manufacturing, EDM Department is here to help.

RAPID PROTOTYPING CAPABILITIES

COMMON MATERIALS

Graphite

Ceramics

Plastics

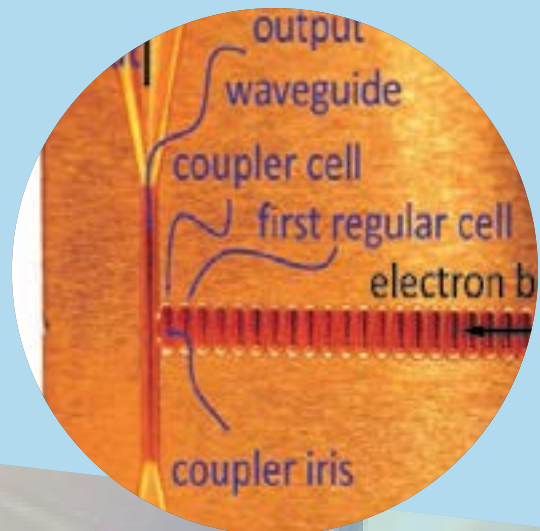
- Performance Plastics
- LCP
- Peek
- Nylon
- Thermoplastics
- Thermoset Plastics
- Highly Engineered Plastics

Metals

- Titanium
- Precision Tool Steels
- Copper
- Refractory Metals
 - Tungsten
 - Molybdenum
 - Tantalum
- Aluminum
- Exotic Metals

COMMON PROJECTS

- Small-scale & low quantity projects
- Batch and Production Parts
- On-Demand Manufacturing
- Prototyping for a multitude of industries
 - Aerospace
 - Automotive
 - Interconnect
 - Medical & Optical
 - Space & Defense
 - Telecommunications



We offer production capabilities in Sinker EDM, Wire EDM, Precision and Micro Milling, Laser Ablation and 3D Metrology Services.

Visit www.edmdept.com for details on our services.

(P) 630.736.0531 • (F) 630.736.0530 • edmdept.com

Request a quote at rfq@edmdept.com

Sales inquires at sales@edmdept.com

Visit us at 1261 Humbracht Circle Suite A, Bartlett, IL 60103



About Us

EDM Department is an engineering firm renowned for manufacturing capabilities. Our vertically integrated manufacturing process produces high quality products to extremely tight tolerances – up to 50x smaller than the width of a human hair – meeting the tight tolerances required for a multitude of applications within major manufacturing industries including: medical, defense, telecommunications and interconnect. We offer a full suite of engineering, development and manufacturing services including:

- Sinker EDM
- Wire EDM
- Precision & Micro Milling
- Laser Ablation
- Mold & Tool Design
- 3D Metrology Services

Currently, we are working as an active partner the in US Government's Digital Manufacturing & Design Innovation Institute to continue to lead manufacturing technologies. Our commitment to quality and implementation of the newest and best electrical discharge machining (EDM) technologies on the market allows us to consistently meet and exceed our customers' needs for tighter tolerances, better finishes and reduced costs.

