

Plastic Injection and Insert Molding

Dynomax Inc. is a leader in high precision molding of all grades of thermoplastics and thermosets, both common and exotic. We have extensive experience with silicone, proprietary composites, and high glass content plastics.

Core capabilities include:

- Tight tolerances of ± 0.0002 "
- 38 to 110 ton capacity
- 0.6 to 7.6 ounce shot sizes
- Micro injection units for near 100% accuracy and repeatability
- Horizontal and vertical servo-electric and advanced two-stage hydraulic presses
- Integrated 6-axis robotic automation, with repeatability of ± 0.0012 "
- Wide variety of plastics: Silicone, PEEK, LCP polyesters, fluorosilicone, pps, abs, nylons, polycarbonates, Epiall®, epoxies, proprietary composites and more

Precision Performance - From Design to Part

When it comes to high-precision manufacturing, the closer the tolerance and the higher the complexity, the better! Dynomax Inc.'s vertically integrated engineering and manufacturing team works closely with you to develop innovative solutions and deliver precision performance – from design to part.

Dynomax has been providing its customers in the aerospace, defense, medical, energy and transportation industries with contract manufacturing excellence for over 25 years.

From design, prototyping and in-house mold construction, to micro injection molding, micro machining and finished assembly, Dynomax can meet your unique requirements. Some of our services include mold sampling, mold trouble shooting, first article inspection, in-process inspection, insert molding, short runs, hot runner multi-cavity production and multi-component parts.

Dynomax continuously invests in new software and machine technology, and integrates robotic processing to ensure high-quality, cost-effective parts. All tooling, molding, automation, maintenance and repair are performed in-house by our highly skilled craftsmen. This enables us to control and manage the entire process, for exceptional quality assurance and delivery.

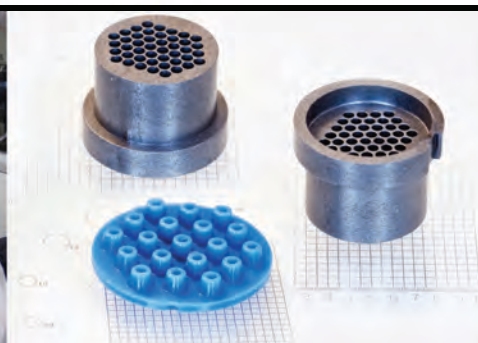


Tooling and Moldmaking

Dynomax Inc. manufactures and supplies several types of production tooling, including molds, fixtures and jigs. Our experienced engineers, machinists and craftsmen excel in the design and manufacture of custom tooling for product components of consistent size, shape, and quality. All design, tooling and mold building is done in-house to your unique specifications, and can be inventoried at our plant for safekeeping and quick turnaround of repeat orders.

Core capabilities include:

- Design engineering utilizing moldflow analysis
- Tight tolerances of ± 0.0001 "
- Small diameter wired holes ± 0.008 "
- Thin wall molding of ± 0.003 "
- EDM machines, CNC mills, laser machining and marking, automatic grinders
- Wide variety of tool steel: S-7, H-13, O6 and more



CNC Micro Machining

Dynomax Inc. employs CNC Swiss style machining centers and electrical discharge machining (EDM) centers utilizing the most current technology to make small parts requiring complex geometries and extremely tight tolerances. We offer full machining capabilities, including milling, turning, threading, broaching, slitting, boring, reaming, grinding and more.

Core capabilities include:

- Design engineering utilizing advanced CAD
- Tight tolerances of ± 0.0001 "
- Thin wall machining of ± 0.010 "
- Complete EDM shop, including hole popper, sinker and wire machines
- CNC Swiss style machining centers, with live tooling, bar stock feeders and multiple spindles
- Integrated 6-axis robotic automation
- Wide variety of metals: Nitinol®, stainless steel, Inconel®, Hastelloy®, titanium, platinum, aluminum and more



TOOLING AND MOLDING



DESIGN • MANUFACTURING • PERFORMANCE

1535 Abbott Drive, Wheeling, IL 60090
P. 847.680.8833 F. 847.680.8838 www.dynomaxinc.com

Dynomax Inc. is a leading designer and manufacturer of high-precision machined components, injection molding and tooling, sub-assemblies, specialty machines and machine tool spindles. We are ISO 9001:2008, AS9100 Rev C and ITAR registered.