

# PRODUCTION CAPABILITIES

## Injection Molding



**DIVERSIFIED  
PLASTICS, INC.**

www.diversifiedplastics.net | 800-321-0084

Diversified Plastics' injection molding is a great choice for producing large runs on short turns and tight budgets. Our services include in-house design and fabrication of custom tooling and molds, including low-cost aluminum mold inserts. Once we've created the molds and completed a successful test run, we begin full-line production using a variety of materials. Our state-of-the-art facilities can mold engineered industrial resins into virtually any shape. We employ SolidWorks and Mastercam as software interfaces.

### MOLDED RESINS LOWER PRODUCTION COST AND ADD VALUE

- Most shapes can be molded and produced faster than machining
- Company names and part numbers can be molded in
- Manufacturing date dials can be molded in
- Can be over-molded with other plastics or bonded to elastomers
- Can be molded around or over metal hubs, pins, components or bearings
- Threaded metal inserts or objects can be inserted and molded around
- Close-tolerance machining can be worked after the molding process

### MACHINE SIZES

- 14 oz. shot size with 200 ton clamping capacity. Molds up to 21" x 29"
- 20 oz. shot size with 200 ton clamping capacity. Molds up to 21" x 30"
- 35 oz. shot size with 350 ton clamping capacity. Molds up to 27" x 42"
- 60 oz. shot size with 450 ton clamping capacity. Molds up to 30" x 48"
- 143 oz. shot size with 700 ton clamping capacity. Molds up to 38" x 55"
- 200 oz. shot size with 800 ton clamping capacity. Molds up to 38" x 55"

**OUR  
EXPERIENCED  
TEAM AND  
ADVANCED  
EQUIPMENT** produces  
runs from just 15 parts to  
100,000+.



## COMMON INJECTION MOLDING RESINS

UHMW	Nylon
Acetal (Delrin)	Polyurethane
HDPE (high-density polyethylene)	Polypropylene
Polycarbonate	ABS
Elastomers	Rubbers

## COMMON ADDITIVES

UV Protection (longer life when exposed to ultraviolet rays)	Oil impregnated (reduce friction and noise)
Silicone filled (reduce friction)	Graphite
X-Linking (higher abrasion and less thermal expansion and contraction)	Glass filled (higher load ratings)
Blowing agents (reduce thick cross-section voids and sinks)	Antimicrobial stabilizers (added chemical resistance)
Anti-static additive (dissipate electrical charge buildup)	Custom color additives

Diversified Plastics is a family-owned, Montana company with big capabilities and a proven history. Since first hitting the on switch in 1976, we've focused on winning customers, not contracts. That approach has earned us a strong reputation for meeting needs across a variety of industries — food processing, cement, agriculture, wastewater treatment, mining, timber, packaging / conveying and more. Our MultiFab Technology enables us to employ a variety of processes, including injection molding, fabrication, urethane casting and machining. In addition, our services include design, engineering, prototyping and performance testing.



### GET A QUOTE FOR YOUR PROJECT:

Call 800-321-0084  
or visit [www.diversifiedplastics.net](http://www.diversifiedplastics.net) and click "contact us"  
for a sales representative near you.



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Consolidate with us.