



OUR STORY

Since 1957, General Die Casters has cast and machined complex custom aluminum and zinc die castings for a wide range of industries. We pride ourselves on being more than die casters. We are problem solvers that provide our customers with solutions. Whether it be tight dimensional requirements, pressure tight parts or stringent porosity requirements, our experienced team is equipped to solve our customers' toughest challenges utilizing the latest technology and strong disciplined quality systems. While our core competency is producing world-class die castings, what we are most proud of is our customer service. Providing our customers with the utmost quality and service is our number one priority. Please visit generaldie.com to learn how General Die Casters can become your partner in manufacturing.

INDUSTRIES



Appliances



Automotive



Construction



Energy



Lawn & Garden



Lighting



Recreational

CAPABILITIES

DIE CASTING CAPABILITIES

- » Meet and exceed NADCA precision tolerances
- » Structural Castings
- » Aluminum Alloys: 360, 380, 383, 384, B390, 413
- » Zinc Alloys: Z2, Z3, Z5, ZA8, ZA12, ZA27
- » 2 – 1200 ton cold chamber machines
- » 2 – 1000 ton cold chamber machines
- » 10 – 900 ton cold chamber machines
- » 11 – 600 ton cold chamber machines
- » 2 – 400 ton hot chamber machines
- » Plant wide Shotscope process monitoring
- » Visi-Trak shot controls
- » Magmasoft Flow Simulation
- » Fondarex Vacuum
- » Hot oil and water die temperature control
- » Flir Infrared Imaging

MACHINING CAPABILITIES

TURNING

- » Turn parts as big as 15" diameter
- » 6000 rpm spindles
- » Hold diameter tolerance to +/- .008mm, .0003"
- » Hold thickness to +/- .016mm, .0006"
- » Hold surface finish to 16 micro
- » Perform dry PDC turning
- » Fully automated turning operations
- » Live milling on turning operations

MILLING

- » 4 and 5 axis milling
- » High speed machining
- » 12000 rpm spindles
- » 50" x 20" machine envelopes
- » Coolant thru spindle
- » Hold diameter tolerance to +/- .0002"
- » Hold true position tolerance to .001" on diameter
- » Hold surface finish to 16 micro on bores
- » Hold surface finish to 32 micro on milled surfaces

ADDITIONAL CAPABILITIES

- » Assembly
- » Roll forming
- » Heat Treating
- » Spin and tumble blasting
- » Sanding
- » Pressure Testing
- » Complete supply chain for painting, anodizing, vibratory deburring and impregnation.

QUALITY

- » Zeiss and Brown & Sharp CMM
- » Spectrometer
- » Real time X-Ray

TOOL ROOM

- » Full compliment of equipment to modify and repair all production tooling.

