

HIGH INTEGRITY STRUCTURAL CASTINGS



GH TOOL & MOLD
A TOOLING TECH GROUP COMPANY

The Quality You Need. On Time, Every Time.



G.H. Tool, part of the Tooling Tech Group of companies, is a leading designer and manufacturer of premium quality die cast tooling. We specialize in providing superior quality large tools for the production of high integrity structural castings used in automotive chassis and sub-structures as well as tooling for high-volume, long lifecycle part programs in lawn and garden and consumer products.

We partner with customers to develop castings that are lightweight, manufacturing friendly, and meet design intent. Our objective is to supply a tool that will provide exceptional reliability in the field as well as achieve maximum die life.

G.H. at a Glance

Capabilities

- Dies for casting machines with locking forces from 350 - 6,000 tons
- Workpieces up to 164" (X-axis) x 105" (Y-axis) x 72" (Z-axis)
- 70,000# table capacity

Services

- Casting Development
- Tool Design
- Large Scale, Modern CNC Machining
- Die Maintenance
- Tooling Repair
- Jigs and Fixtures



Common Applications

- Gear Cases
- Transmission Cases and Covers
- Valve Bodies
- Converter Housings
- Engine Blocks
- Head Covers
- Cam Carriers
- Oil Pans
- Alternators
- Starters and Brackets

Certifications

- ISO9001:2015
- AS9100
- DD23454



ENGINEERING



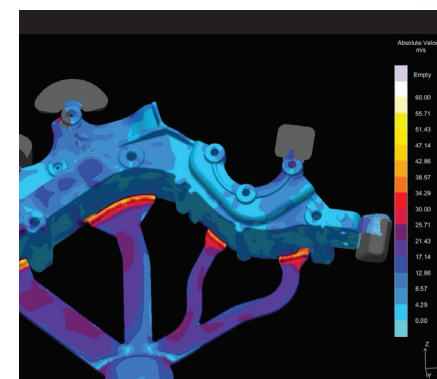
Our team speaks your language. We understand the scientific and engineering principles that result in good design, and our engineering department is proficient in multiple CAD/CAM programs. Solid models are developed at the start of the project and are available for engineering analysis, flow and thermal simulation, process development, part print creation and tool design.

Software Packages

- CATIA
- MAGMA
- PTC Creo
- Siemens NX
- Solidworks

Casting Development

- Part Models
- Gating Systems
- Flow Simulations
- Thermal Analysis



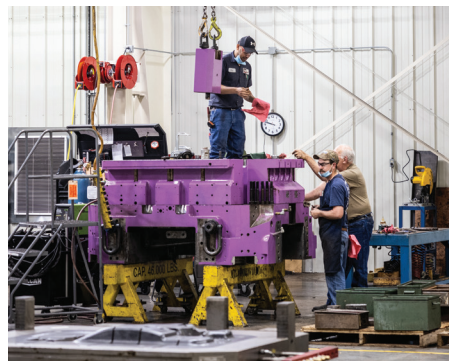
BUILD TO PRINT WORK

In addition to our die cast mold capability, we also build tooling, fixtures and components for high-level aerospace and defense programs during the manufacturing process as well as for maintenance, repair and operations (MRO).

We're proud to say that we have consistently received the Boeing Performance Excellence Award, achieving either the gold or silver category for eight of the last nine years. This places us in the top 1% of Boeing suppliers for quality & delivery.

Common Aerospace Pieces

- Locating Jigs
- Bond Jigs
- Layup Mandrels
- Hand Router Fixtures
- Overhead Mechanical Equipment
- Drill Jigs
- Wing Spars



EQUIPMENT

G.H. facilities are stocked with state-of-the-art equipment run by highly skilled machine operators, ensuring we provide our customers with the highest quality molds, dies and fixtures.

With over 50 machine tools in our facilities, some of our newest investments include a high-speed 5-axis Hermle machining center, Mikron 5-axis machining center, Agies Charmilles EDM machine,

two GOM ATOS Triple Scan high-resolution scanners and an Alpha Laser AL500 mobile laser welding



system. Additionally, we've recently upgraded our two Fidia 5-axis machining centers with new service packs including advanced controls, drives, spindles, and other internal mechanisms, improving the overall equipment performance.

For a complete listing of our equipment, visit [Facilities Equipment Listing | Tooling Tech Group](#)





COMPANY OVERVIEW

Founded in 1983, G.H. Tool & Mold is well-respected within the die cast tooling, aerospace, and general machining industries for its consistent ability to provide partners with a competitive productivity advantage through innovative tooling solutions. The company was acquired by Tooling Tech Group in 2015.

Tooling Tech Group builds custom automated systems for assembly, joining and inspection as well as tooling for a variety of applications including thermoform molding, high compression composite molding, blow molding, rotational molding, die casting, and stamping. Industries served include automotive, appliance, lawn and garden, agricultural, aerospace, marine, and off-road vehicle industries, among others. Through organic growth and acquisitions, the company has become the largest tooling provider in the United States with 650+ employees, 12 modern facilities and over 1 million square feet of manufacturing space across four states.

The depth and breadth of our capabilities is achieved through the combined experience of our company units, with each of these companies being in business for 30+ years, providing both extensive industry experience and financial stability that you can rely upon. Our unique differentiator is the ability to provide all tooling services from design to engineering to simulation to machining to fabrication to try-out all within one company. This single source ability can help to streamline your business operations and simplify your life. We take full responsibility for quality, delivery, and cost management of each project starting at concept through “on time, every time” delivery.



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