

COMPOSITE MOLDS AND PRECISION MACHINING



CENTURY
A TOOLING TECH GROUP COMPANY

The Quality You Need. On Time, Every Time.



COMPOSITE MOLDS AND PRECISION MACHINING

Century, part of the Tooling Tech Group of companies, builds high-quality compression molds for composite components used in a variety of industries. Compression molding is ideal for production of large, flat or slightly curved parts, and our dedication to this technology has led to extensive process knowledge. Our skill in machining complex geometries and exacting tolerances has positioned us a premier composites mold supplier capable of meeting the exceptional surface

quality required by manufacturers of medium to large Class A exterior components.

As a vertically integrated company providing everything from design through try-out under one roof, we're able to maintain tight control over quality to provide custom services to meet your total program needs. Our experience and competencies create synergies and streamline processes to provide a seamless and enhanced customer experience.



Century at a Glance

- 89,000 sq. ft. facility
- Autodesk® Inventor™, VISI, Mastercam® capable
- 15 high performance machine tools for milling, drilling, 3D roughing, semi finishing and finishing
- Machining of aluminum, tool, low carbon and stainless steels; prototype epoxy; Hastelloy®, Inconel® and other exotic metal alloys
- Molds of 100,000+ lbs.
- Bed sizes up to 343" long by 100" deep by 120" tall



EXPERTISE IN COMPOSITES TOOLING FOR A BROAD RANGE OF COMPONENTS



Aerospace | Automotive | Bath and Spa | Energy | Heavy Truck | Powersports

We have experience making tooling, molds, check-fixtures and gauges for a very broad range of complex automotive, RV and heavy-truck components including molds for high profile vehicles such as the Chevrolet Corvette, Ford Ranger, Ford Mustang Bullitt, and many more.

- Acoustical and thermal hood, door and floor insulation panels
- Bath tubs, hot tubs and showers
- Carpet & floor assemblies
- Die-cut insulation, armrests, door trim, body side molding
- Exterior body and hood panels

- Flooring systems and assemblies
- Inner and outer dash panels, inserts and decor
- Wind turbine blades
- Many more



Forming Processes

- SMC
- DCPD
- RTM
- RIM
- BMC
- DLFT
- CFRP
- GMT

Form Tools

- Heated Platen
- Heated Electric, Oil, Water
- Pinch Trim
- Vacuum
- Single & Multiple Cavity

Tooling Features

- Gripper Plates
- Tentering Frames
- Hydraulic Punches
- Cookie Cutter Punches



WE'RE MORE THAN MOLDS

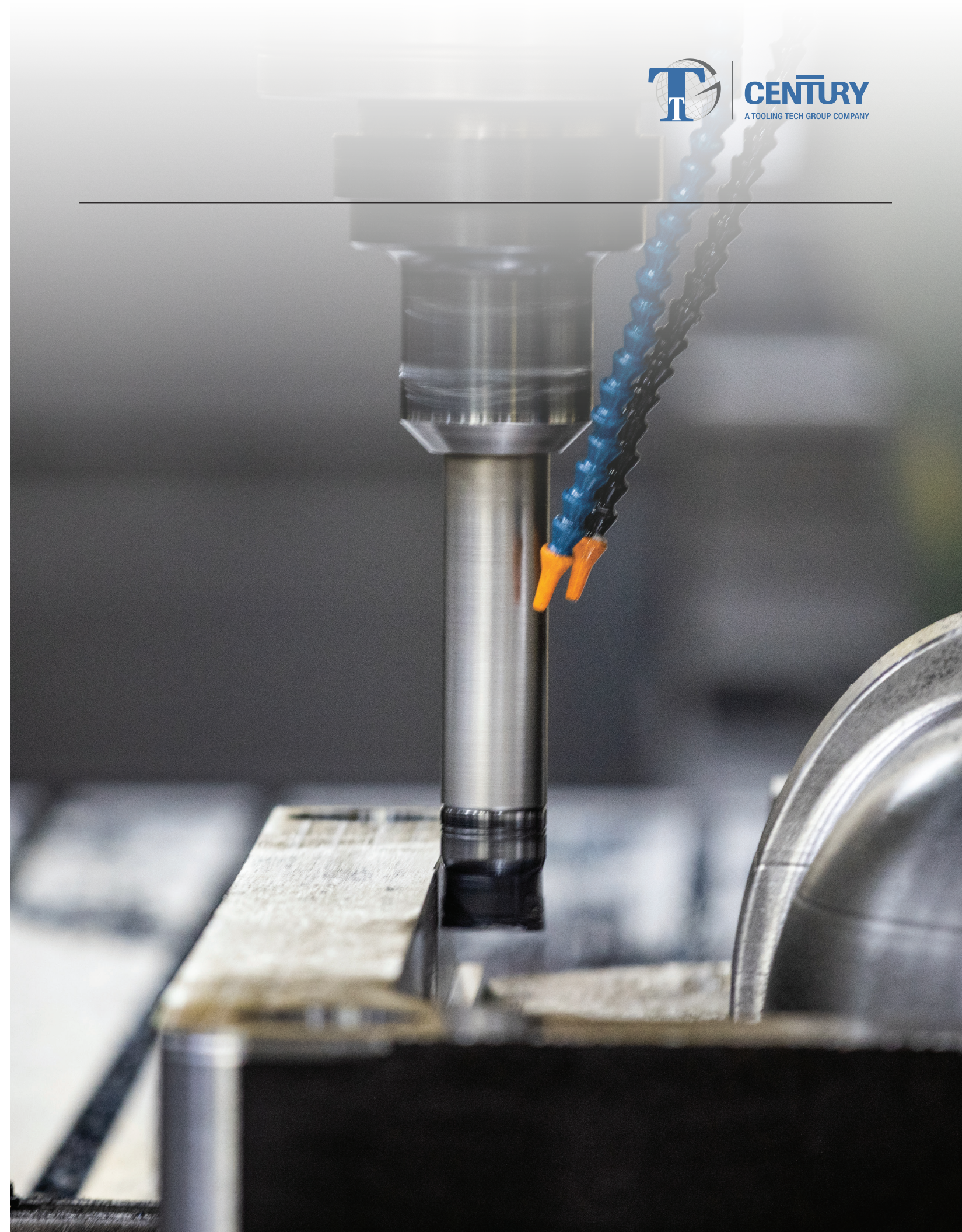
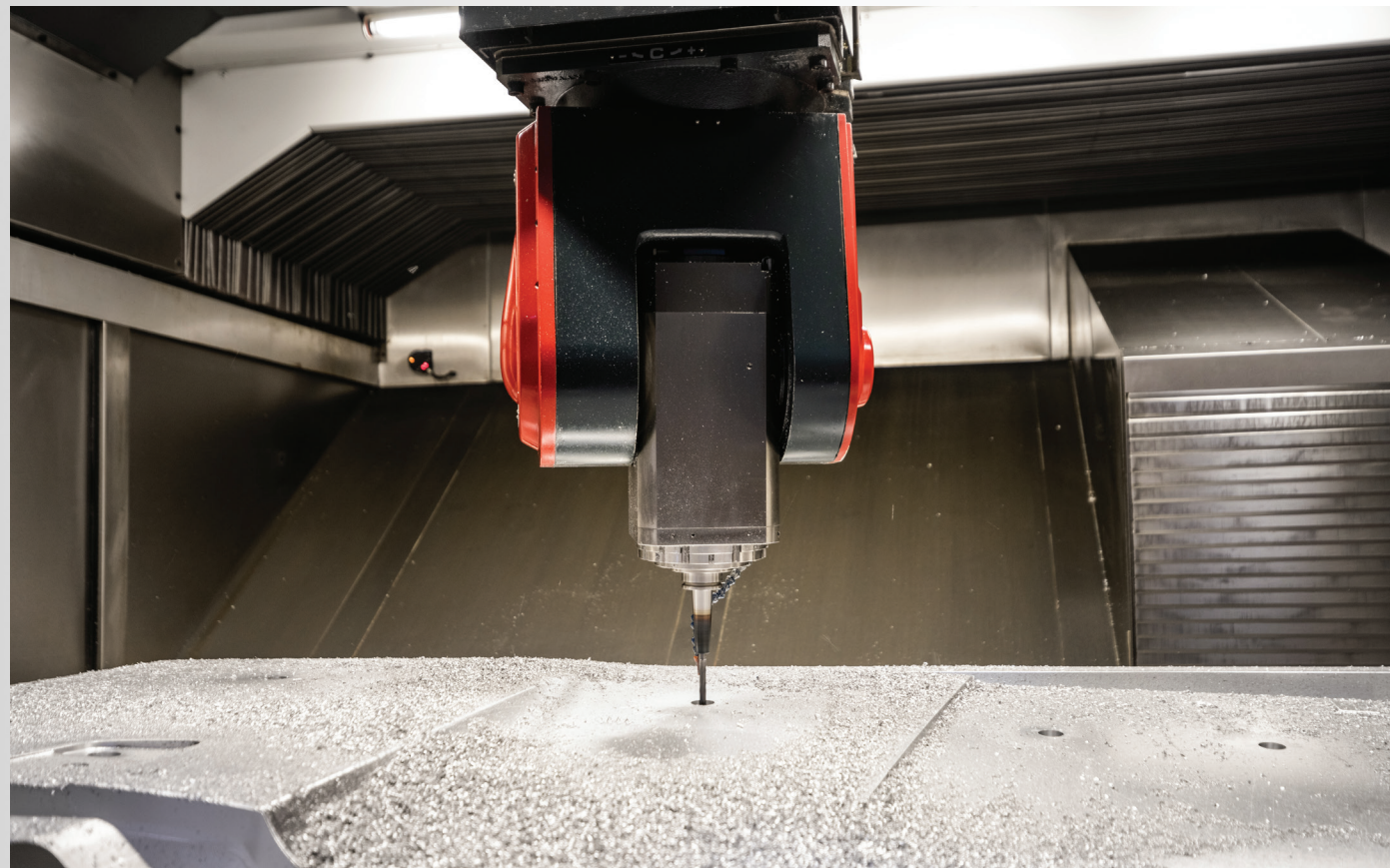
Precision and Production Machining

Key to the effectiveness of our tooling solutions is our high-speed precision machining capability. We can produce metal components to customer print specification or engage our engineering team to assist in design. The combination of our experienced and talented staff and equipment makes us well-suited for producing high tolerance, complex components

in aluminum, steel and high-temp alloys.

Our capacity for large axis CNC machining centers extends to 343" (X) x 98" (Y) x 55" (Z) with a 50-ton table, offering some of the largest capacities in North America, making us well-suited for producing aerospace, energy and other large construction parts.

If you need a long-term machining partner or a company to rely upon for offload of certain projects, the Century team at Tooling Tech Group can help.





COMPANY OVERVIEW

Century Tool and Gage, founded in 1974, serves the composites industry as a provider of medium to large molds required for producing Class-A exterior body panels, structural panels, trunk, frunks and more, in a variety of composites-based materials. It is a vertically integrated company that provides everything from design guidance to tryout, enabling Century to maintain tight control over quality throughout the entire production process, while providing a high level of service to the customer. Century was purchased in 2018 by Tooling Tech Group (TTG), founded in 1982.

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, 13 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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