

# CNC MACHINING OF CUSTOM COMPONENTS



**CUSTOM CNC**

A TOOLING TECH GROUP COMPANY

# The Quality You Need. On Time, Every Time.

## YOU CAN RELY ON US

### Quick Turn Precision Parts

- At CUSTOM CNC, we believe ordering custom parts ought to be simple, fast, and straightforward.
- Our goal is to make prices available quickly. We know that getting a price on your part without having to wait allows you to move faster, which means your ideas move forward. Quick quoting – quotations completed in 72 hours.

- Quick turnaround of precision parts – part production started within 48 hours of design sign-off.
- Let CUSTOM CNC become a part of your supply chain as your personal CNC machine shop.

### Quality Certifications

- ISO 9001:2015 Certified
- AS 9001 Certified

### Capabilities

#### CUSTOM CNC works with the most common design software

- Autodesk®
- CATIA
- Creo (Pro/ENGINEER)
- Siemens NX
- SolidWorks®

### State of the Art Machining Centers



### CUSTOM MACHINING EXAMPLES

#### Assembly Jig – Aerospace

- Aerospace tooling
- 6061 aluminum
- TTCM responsible for machining, purchasing catalog items, and assembly
- Documentation and AS9100 requirements were very stringent



#### Assembly Jig – Aerospace

- Die cast holder block
- 4140 material
- Raw block 71" L x 67" W x 17"
- General tolerance of +/- .005 with some critical areas of +/- .001



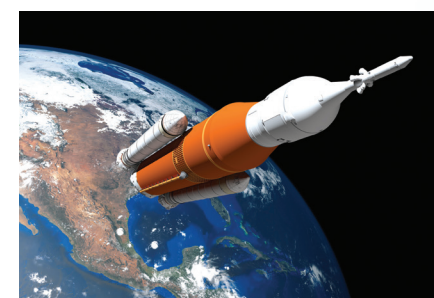
#### Assembly Jig – C130 Cockpit

- Aerospace jig fixture
- 6061 aluminum plate
- All pockets and holes are on a different angles requiring 5-axis machining



#### Assembly Jig – Rocket Booster Assembly

- Large aerospace assembly
- Multiple weldments and custom machined parts
- 150" x 65" x 74"



#### Automotive – Cold Plate Assembly

- Cold plate prototype for automotive supplier
- 6061 aluminum
- 1mm thick cover is laser welded to this plate
- Full pressure and leak check
- 300 assemblies over 4 weeks



#### Hot Roll Steel – Rock Pulverizer

- Punch & box
- Made from D2 material 54-56 Rockwell
- Extremely tight tolerances
- 80" diameter pulverizer wheel





## COMPANY OVERVIEW

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.



TOOLING**TECH** GROUP

Tooling Tech Group  
Corporate Offices  
200 South Alloy Drive  
Fenton, Michigan 48430

Tel: +1 (231) 400-4884

[ToolingTechGroup.com](http://ToolingTechGroup.com)