

CNC MACHINING OF CUSTOM COMPONENTS



CUSTOM CNC

A TOOLING TECH GROUP COMPANY

FAST, RELIABLE CUSTOM MACHINING

Quick delivery of precision parts

At Tooling Tech CUSTOM CNC, we make ordering custom parts simple, fast, and straightforward. With a heritage in precision machining and mold making that dates back to 1982, we've proven ourselves to be a reliable manufacturing partner. Let TTG CUSTOM CNC act as your personal CNC machine shop, enhancing the strength of your supply chain.

We know that time and quality are always essential requirements in the manufacturing world, so we commit to quick turnaround on both quotations and deliveries of the highest precision components.

- Quotes submitted within 72 hours
- Part production started within 48 hours of sign-off
- ISO 9000, ISO 9001:2008, ISO 9001:2015 and AS 9001 certified.

Capabilities

CAD Programs:

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

Materials:

- Brass, Copper Alloys, Aluminum, Steel, Alloy Steel, Stainless Steel, and Exotic Metals including Titanium, Waspaloy™, Inconel™, Hastelloy, Kovar, Invar and Monel.

Sizes:

- Parts up to 150" x 100"

Tolerances:

- 0.005" +/- 0.001"

Machines

- **(5) 5-axis Vertical Mill** – 2,895mm x 1,244mm x 990mm
Up to 30,000 lbs. table capacity
- **(40) CNC Vertical Machining Centers**
- **CNC Horizontal Boring Mill** – 2,489mm x 2,590mm x 1,981mm with 1,600mm x 2,489mm rotary table
Up to 55,000 lbs. table capacity
- **CNC Bridge Mill** – 2,997mm x 1,600mm x 1,194mm
- **Okuma CNC Horizontal Machining Center** – 3,988mm x 2,490mm x 1,540mm
Up to 70,000 lbs. table capacity
- **Gundrill** – 25.4mm dia x 1,524mm depth capacity
- **(4) Ram EDM's** – tank sizes up to 1194mm x 1,803mm x 686mm

Industries and Applications

Assembly Jig – A10 Warthog

- Die Cast Holder Block
- 4140 Steel
- Raw block 71" x 67" x 17"
- Tolerance of +/-0.005" with critical areas of +/-0.001"



Cold Plate Assembly

- Cold Plate Prototype
- 6061 Aluminum
- 1mm thick cover is laser welded to this plate
- Full pressure and leak check
- 300 assemblies in four weeks



Thermoforming Molds – Baby Food Cups

- Mold for Plastic Thermoforming Process
- 6061 Aluminum
- Multiple critical dimensions
- Built 50 parts in two weeks



Thermoforming Tool – Heater Block

- Mold for Plastic Thermoforming Process
- 6061 Aluminum
- 60 parts in two weeks



Punch & Box – Flour Pulverizer

- Punch & Box for Pulverizer Wheel
- Made from D2 steel, 54-56 Rockwell
- Extremely tight tolerances
- 80" diameter



Assembly Jig – Rocket Booster Assembly

- Large Aerospace Assembly
- 150" x 65" x 74"
- Multiple weldments and custom-machined parts



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

T: (231) 400-4TTG (4884) • www.toolingtechgroup.com