

CNC MACHINING

For over 50 years Tool Gauge has provided a wide range of machining services utilizing the latest advancements in programming and multi-axis CNC machining. Our metals team produces complex parts and assemblies from low to high volume. We are proficient with tight tolerance applications across a wide array of machined metals and plastics per aerospace specifications. Our commitment to using the latest in machining technology means the highest quality, shortest lead-time production support for our customers.

METALS

Stainless: Cres, 15-5, 17-4, 300 Series

Carbon Steel (60 Rc)

Aluminum: Cast, Heat Treatable, 2014, 2219, 7150

Bronze: C630, C942, C945, AMS 4880

Beryllium Copper

Titanium

Inconel

Magnesium

Zircoloy A286

MACHINED PLASTICS

Nylon PVC (Kydex)
ABS Micarta
PC (Lexan) Teflon
PBT (Valox) Phenolic
POM (Acetal) Vespel
PEI (Ultem) Meldin
PP PEEK

Parts originate from sheet, rod, or injection molded parts with post operation machining

Value added services that lower costs and accelerate delivery.





MANUFACTURING & ASSEMBLY

3-4-5 Axis CNC Machining

35 Ton to 500 Ton Electric Press Injection Molding

Metals Machining

In-House Mold Design & Fabrication

Plastics Machining

Structural Foam Injection Molding

High Volume or Single Piece Production

Design For Manufacturing Expertise

Research & Development

Reduce Weight & Cost – Metal to Plastic

Quick-Turn Development

Fused Deposition Modelling

Customized Inventory Management

Multi-Level Assembly & Finishing

Bonding, Sonic Welding, Paint





















INJECTION MOLDING

Tool Gauge supplies a variety of injection molded plastic parts and assemblies. Our plastics team is one of the few that has both BAC 5321 Class 1 and 2 certification as well as in-house tooling, machining, and plastic/metal assembly. This allows us to provide our customers with the maximum design freedom and to fabricate a multitude of cosmetic and structural components from Air Grills and Airflow Ducting to IFE Housings, Window Reveals, Stow Bin accessories and Lavatory parts.

We use a wide range of materials including PI, PBT, PEEK, LCP, PEI, PSU, PTFE, PPS, PPA, PPO, PBT, POM, PA, PC, ABS, and PC/ABS. We also work closely with our material suppliers to develop new light weight resins utilizing glass bubbles, microcellular, and carbon nanostructure fillers.

To better serve our customers needs we continually invest in the latest in injection molding machines and support equipment. Our plastics team has all new electric injection molding machines. These machines are more repeatable, use less power, and are equipped with special processing tools. This means we can produce parts faster, with less scrap, and consistently high quality. Our customers appreciate the part cost control these machines provide.







EXPERIENCE

With over 50 years of industry experience, Tool Gauge has become a top performing aerospace manufacturer. Our long term commitment to the aerospace industry has allowed us to become a key partner to our OEM customers, providing the highest quality, on time delivery, and cost effective manufacturing solutions.

THE BEST SUPPLY CHAIN PARTNER FOR YOUR BUSINESS

Meet your product fulfillment goals by allowing our performance, reliability, and integrity bridge the gap in your supply chain. Contact us to become your new supply base partner today.

Aircraft Landing Gear
Flight Critical Components
Stowage Bin Accessories
Inflight Entertainment
Air Grilles & Airflow Ducting
Interior handles
Latches
Bin Trims
Tray Tables

Closeouts

Aircraft Lavatory
Aircraft Lighting
Aircraft Buttons & Switches
Aircraft Window Reveals

PERFORMANCE, RELIABILITY, INTEGRITY

- Highest quality and on-time delivery ratings
- ISO 9001 / AS-9100 Certified
- Winner of Boeing Performance Excellence
 - Nominated for Boeing 2015
 Supplier of the Year
- Long-term relationships with key customers





