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
Zircloy
A286

MACHINED PLASTICS

Nylon
ABS
PC (Lexan)
PBT (Valox)
POM (Acetal)
PEI (Ultem)
PP

PVC (Kydex)
Micarta
Teflon
Phenolic
Vespel
Meldin
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

[Certification logos]
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 lightweight 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 Revealas

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