Precision Machining Capabilities

Vertical & Horizontal Mills

4-Axis Vertical Milling Centers
53.1" x 23.6" x 23" tables
15" max turn diameter

4-Axis Horizontal Milling Centers
16" x 20" x 20" tables
Dual pallet

5-Axis & Multi-Task Machining Centers

5-Axis Multi-Task Machining Centers
B-Axis / twin spindles
Dual pallet

5-Axis Vertical Machining Centers
24.8" x 19.7" x 15.7" tables
35hp / 15,000 rpm spindles

Production Turning Centers with Live Tooling

Twin Spindle, Twin Turret Lathes
6,000 rpm spindles
Machining diameter: 10.6"
Part length: 30.7"

Multi-tasking Operations
Upper & lower 24 station turrets

Large & Vertical Turning Centers

Large Capacity Turning Centers
Turn diameter: 24"
Part length: 24"

Vertical Turning Centers
Machining diameter: 31.9"
Part length: 31.5"
Quality Certifications & Commitment

Quality has always been a priority at Alloy Precision Technologies. Our customers know that providing quality products and services “most of the time” just isn’t good enough. They deserve and expect consistent and reliable products every time.

- CMM and automated optical scanning inspection methods
- Certified quality: AS9100 Rev D & ISO 9001
- Qualification capabilities & tools: APQP, FAI & PPAP
- NDT level 1, 2 & 3 inspectors on staff
- Various forms of product quality testing including:
  - Fluorescent penetrant inspections (FPI)
  - Helium leak testing (up to $1 \times 10^9$ cc / second)
  - Pressure testing
  - X-ray testing
  - Cycle fatigue testing
  - Spring rate testing

Engineering & Product Development

Our in-house team of engineering & design experts are capable of designing product solutions from the most basic to most complex applications. We continually invest in the tools for our world-class product development and manufacturing, including:

- SolidWorks 3D modeling
- CNC Programming in GibbsCAM
- Analysis using design tools
- R & D lab testing
- Project management principles

Materials

Aluminum
Brass
Carbon Steel
Castings / Forgings
Copper
Hastelloy

Inconel
Monel
Plastics
Stainless Steel
Titanium