

# Top Notch Machining, Inc.



## CAPABILITIES

### COMPANY OVERVIEW

## Your Specifications, Our Precision

Top Notch Machining is an AS9100D & ISO9001-certified CNC milling shop specializing in high-precision components for aerospace, defense, and industrial applications. With a focus on tight tolerances and complex geometries, we ensure on-time delivery and consistent quality.

### CORE COMEPTENCIES

**Precision CNC Machining:** Expertise in Computer Numerical Control (CNC) machining, enabling the production of complex and intricate parts with high accuracy and consistency.

**Prototype Development:** Ability to assist clients in developing prototypes, facilitating the transition from concept to production.

**Production Runs:** Capacity to handle both small and large production runs, ensuring timely delivery and quality assurance.

**Material Versatility:** Proficiency in working with a wide range of materials, including metals, plastics, and composites, to meet diverse client needs.

### PAST PERFORMANCE

**Aerospace & Defense:** Precision machining for aircraft components & UAV systems.

**Automation & Robotics:** High-accuracy components for robotic assemblies.

**Industrial Equipment:** Custom fixturing & complex mechanical assemblies.

**Marine & Transportation:** Corrosion-resistant parts for harsh environments.



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We specialize in high-precision CNC milling, delivering quality and accuracy for every project.



## MACHINE CAPABILITY

### CNC Vertical Milling:

- ⊙ Mazak VTC-200B (X: 44.09", Y: 20.87", Z: 18")
- ⊙ Mazak VTC-16A (X: 28", Y: 16", Z: 16")
- ⊙ Mazak Vertical Center Smart 530C (4-Axis)  
(X: 36", Y: 20", Z: 16")

### Manual Lathe

#### Victor Precision High-Speed Lathe

- ⊙ Max Workpiece Diameter: 5"
- ⊙ Max Length: 48" (for 2" diameter and under)

### Materials Worked With

- ⊙ **Metals:** Aluminum, Steel, Stainless Steel, Titanium, Brass, Bronze, Copper
- ⊙ **Plastics:** Delrin, UHMW, PEEK, PTFE, Acrylic, Polycarbonate, Nylon
- ⊙ **Composites:** G10, Carbon Fiber

### Additional Capabilities & Services

Through trusted NADCAP-certified partners, we provide additional services to meet all finishing requirements:

- ⊙ **Anodizing (Type I, II, III)** – Enhanced durability and corrosion resistance.
- ⊙ **Plating (Nickel, Zinc, Chrome, Gold, Silver, and More)** – Precision metal finishing for conductivity and wear resistance.
- ⊙ **Heat Treating** – Strengthens materials for high-performance applications.
- ⊙ **Powder Coating & Oxide Coating** – Aesthetic and protective finishes.
- ⊙ **Waterjet Cutting & Stamping** – Additional precision machining options.



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# WHAT SETS US APART



## 4-Axis CNC Milling

Advanced multi-sided machining for complex parts.



## Tight Tolerances

Capable of machining down to  $\pm 0.0001"$ .



## Industry Expertise

Trusted by leaders in aerospace, defense, and robotics.



## Rigorous Quality Control

AS9100D & ISO9001-certified with full traceability and inspection reports.



## Rapid Prototyping & Small-Batch Production

Quick turnaround on prototypes and low-volume production runs without compromising precision.



## Collaborative Approach

We work closely with engineers to refine designs for manufacturability.

# PORTFOLIO



Looking for a reliable CNC milling partner? Contact us today to discuss your project requirements and discover how Top Notch Machining can deliver precision and quality at every step.

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