



Machining & Fabrication

Capabilities Statement

CNC Milling

- **3-Axis Milling:** Our capabilities include 3-axis milling with dimensions up to 40" x 20" x 16" (X, Y, Z) and a maximum weight of 1800 lbs.
- **Versatility:** We can accommodate larger parts with special consideration. Contact us to discuss your specific requirements.
- **Material Expertise:** Our team is experienced in working with a wide range of materials, including specialty and hard-to-machine types.
- **Advanced Features:** We offer through-spindle cooling for enhanced performance and precision.

CNC Turning

- **CNC Turning with Live Tooling:** Bar capacity up to 1.7", max turning diameter of 12", and a max machinable length of 19".
- **Material Expertise:** Our team is experienced in working with a wide range of materials, including specialty and hard-to-machine types.

3D Printing

- **FDM Printing:** Utilizing the MakerBot METHOD, we offer FDM printing with a build volume of 7.5" x 7.5" x 7.75" (LxWxH).
- **Material Options:** Available materials include PLA, Nylon, PET-G, ABS, and PC-ABS.

Welding

- **MIG and TIG Welding:** We provide MIG and TIG welding services for steel and stainless steel, with thicknesses up to ½" plate.
- **Material Flexibility:** We are open to discussing welding requirements for other materials.
- **Note:** Certified welding processes are not currently available.

Materials Certification

- **Documentation:** We can provide material certifications and Certificates of Conformance (CoC) upon request. Please specify this in your purchase order.

Metrology

- **Inspection Services:** We offer First Article Inspection, inspection of critical features, and formal inspection reports upon request.
- **Geometric Dimensioning and Tolerancing (GD&T):** We are fluent in GD&T per ASME Y14.5.
- **Extended Capabilities:** If a feature is beyond our measurement capabilities, we can coordinate third-party measurement services.

Assembly

- **Mechanical and Electrical Assembly:** Our experienced technicians can perform both mechanical and electrical assembly work.

Engineering Services

- **Engineering Services:** Our partner company, Czero (www.czzero-solutions.com), offers a wide range of engineering services.

About Us

We are a job shop dedicated to delivering on-time, high-quality parts tailored to your needs. We welcome small quantity jobs and unique one-off parts. Contact us today to discuss your project requirements!