



Capabilities

CNC Milling

- **3-Axis Milling:** 3-axis milling with dimensions up to 40" x 18" 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.

CNC Turning

- **Turning with Live Tooling:** Bar capacity up to 1.7", max turning diameter of 12", and max machinable length of 19".

Grinding

- **Surface Grinding:** Capacity of 20" x 8" x 15" tall, maximum of 440lb.
- **Centerless Grinding:** .015"-2.25" diameter (wider range may be accommodated with special setup), in-feed (up to 4" length) and through-feed (any length).

Materials

- **Material Expertise:** We work with a wide range of materials, including specialty and hard-to-machine types.
- **Documentation:** We can provide MTRs, Certificates of Conformance (CoC), full material traceability, and DFARS compliant material upon request. Please specify this in your purchase order.

Metrology

- **Inspection Services:** We offer CMM inspection, First Article Inspection, inspection of critical features, and formal inspection reports upon request. Please specify this in your purchase order.
- **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.

Welding

- **MIG and TIG Welding:** We provide 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.

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.czero-solutions.com), offers a wide range of engineering services including mechanical design, controls, dynamic modeling, CFD, FEA, and testing.

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.

Certifications

- **ISO9001:** We are [ISO 9001:2015](https://www.iso.org/standard/54554.html) compliant

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!