

CAPABILITY SHEET

Technical Concepts LLC specializes in machining high-quality parts with a focus on precision and reliability. Our expertise lies in delivering consistent, high-quality components that meet the strictest standards, ensuring dependable results every time. We are committed to fostering strong collaboration with our customers, working closely to meet their specific needs and provide solutions that drive success.



TECHNICAL CONCEPTS LLC
PRECISION SOLUTIONS, RELIABLE RESULTS

CORE COMPETENCIES

- 3 & 4 Axis CNC Milling
- CNC Turning
- CNC Routing
- Prototyping
- CAD/CAM
- Assembly
- Inspection
- Plasma cutting
- Welding
- Bending
- Sandblasting/Bead blasting
- Laser cutting/engraving

CAPABILITIES

CNC Milling

- Up to 50" of "X" travel (left to right)
- Up to 21" of "Y" travel (front to back)
- Up to 23" of "Z" travel (up and down)

CNC Turning

- 16" diameter
- 60" length

CNC Plasma

- 4' x 8' up to 1" thick

NAICS CODES:

332710 - Machine Shop

332721 - Precision turned Product Manufacturing

DUNS NUMBER: 084958226

DIFFERENTIATORS

25+ years of Aerospace Experience-Deep industry knowledge and expertise

Reverse Engineering-Ability to recreate or repair parts without original designs

Problem-Solving Support-Proactive solutions for complex challenges, offering valuable support for design and functionality

Fast Turnaround-Flexible timelines to meet urgent needs

Customer-Focused-Strong commitment to collaboration and satisfaction



ADAM ELLIOTT

Owner

32600 US Highway 72

Hollywood, AL 35752

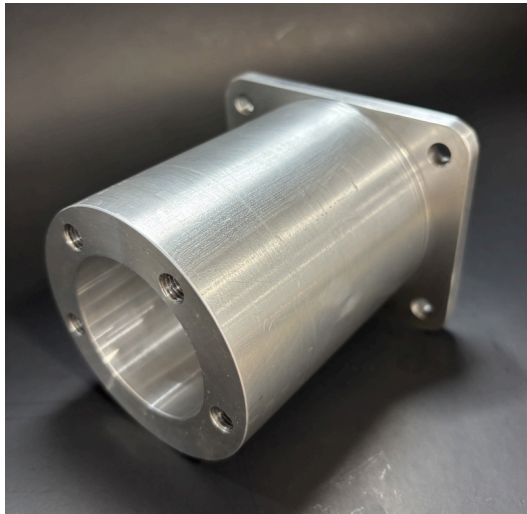
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PAST PERFORMANCE

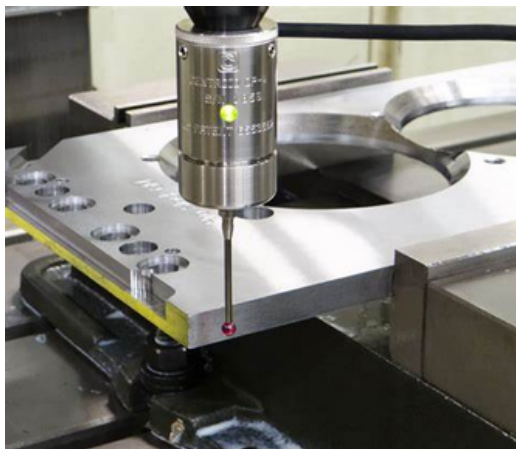
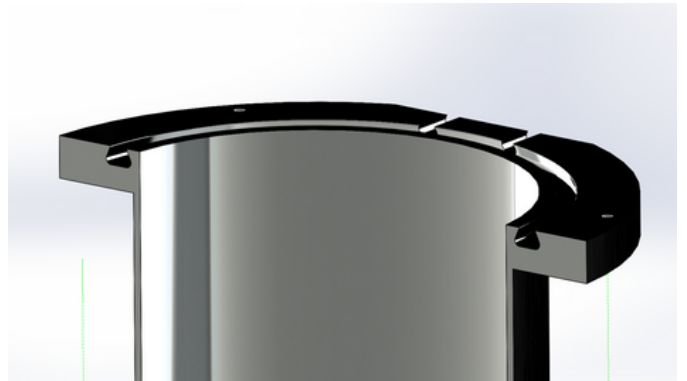


MANUFACTURABILITY

Technical Concepts LLC collaborates closely with our customers to refine and improve designs. By analyzing each design's complexity, material type, and production processes, we identify opportunities to simplify and optimize them, ensuring cost-effective, high-quality results.

TAILORED SOLUTIONS

Our machine shop collaborated with a plant to design and manufacture a custom O-ring seal that effectively eliminated an ongoing leak issue. As a result, equipment performance and reliability improved, helping to prevent future disruptions in production.



REVERSE ENGINEERING

Our customer needed an unavailable machine part that was essential for maintaining production schedules. By recreating the part, we ensured the uninterrupted manufacturing of our client's product, minimizing downtime and keeping operations on track.

SHAFT BUILDUP

We performed a shaft buildup for a plant by reconditioning the worn shaft with a weld buildup process. This repair quickly restored the shaft, getting it back on the manufacturing floor.

