

Machining Concepts Line Card

Machining Concepts (MC) produces high precision CNC machined parts and mechanical assemblies as a contract manufacturer for the aerospace, automotive, electrical component, medical device, military, off-road vehicles, and general industrial markets.

Working Material

- Metal Types: All standard metals, A2 tool steel, aluminum, brass, copper, Inconel, gray-iron castings, maraging, Nitronic 60, stainless steel, titanium, and medical-grade plastics
- Material Types: Bar stock, castings, forgings, tubing, and billets - weighing up to 50 pounds

CNC Swiss Machining

- Up to 26 mm Ø (1.02")

Mill Turns

- Bar Feed: Up to 2.5" Ø

CMM Inspection

- Up to 30" x 30" x 30"
- Integrated Vision/Touch Probe System

Certifications

- ISO 9001:2015 Certified
- machiningconcepts.com/quality-cnc/



Horizontal Milling

- Up to 400 mm (15.75")

Horizontal Turning

- Bar Feed: Up to 2.5" Ø
- Chucked: Up to 12" Ø

Engineering

- Part Design
- 3D CAD Modeling
- CNC CAM Programming
- CNC Simulation and Verification
- Reverse Engineering
- 3D Printing Rapid Prototyping

Vertical Milling

- Up to 40" x 20"
- 24,000 RPM spindles

Production Honing

- .100" Ø up to 1.25" Ø

Managed Processes

- Castings and Forgings
- Thermal Processes and Coatings
- Deep Hole Processing
- Gear Cutting and Grinding
- Surface Finishing
- Machined Part Balancing
- Porosity Impregnation
- Traditional and Friction Welding
- Non-Destructive and Destructive Testing
- Nadcap Accredited Partners

Family of Companies



WORLD-CLASS PRECISION MACHINING
Large Part Machining
traceamatic.com



Metal Stamping
dhemetalstamping.com



Friction Welding
teamafw.com



Welding Fabrication
cefabrication.com

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