Concurrent Technologies Corporation
Custom Fabrication Solutions

Concurrent Technologies Corporation (CTC) provides custom fabrication solutions on time and within budget. No matter how big or small the project, our skilled team welcomes any challenge.

From concept to production—CTC delivers innovative solutions to serve our clients' wide-ranging fabrication needs. Our craftspeople take great pride in their work—producing quality parts at a competitive price with timely deliveries.

Our team continuously analyzes and adopts new methods to improve throughput and expedite delivery. We develop, manufacture, test, and modify prototype machines and/or hardware systems to support prototyping, engineering, and research efforts. In addition, we provide surge support for regional manufacturing facilities.

Our broad scope includes concept design, expert material and process development, coatings, final drawings, analysis, prototype fabrications, dimensional inspection, destructive testing, and low-rate production.

In collaboration with our established network of industry partners, we offer comprehensive solutions. CTC monitors projects from start to finish, enabling us to be proactive before, during, and after the manufacturing process. When coupled with our engineering talent, we can quickly draw conclusive results about a process—resulting in a competitive advantage over manufacturing facilities that build to a blueprint.

Our team includes numerous skilled trades masters, journeymen, and apprentices with knowledge in all phases of machining, welding, manufacturing, and component development.

CTC utilizes offline Computer Numerical Control (CNC) programming to produce components. Benefits include minimum machine down time, consistent and accurate work pieces, and flexibility.

Technical Expertise

- Rapid response prototype projects
- Welding procedure development
- Prototypes from models and sketches
- Manufacture of small production runs
- Manufacture of mechanical and other property test specimens
- Manufacture of test fixtures for specialized testing
- Industry partners who react quickly to short-term needs (materials and manufacturing)
- Machinability evaluations

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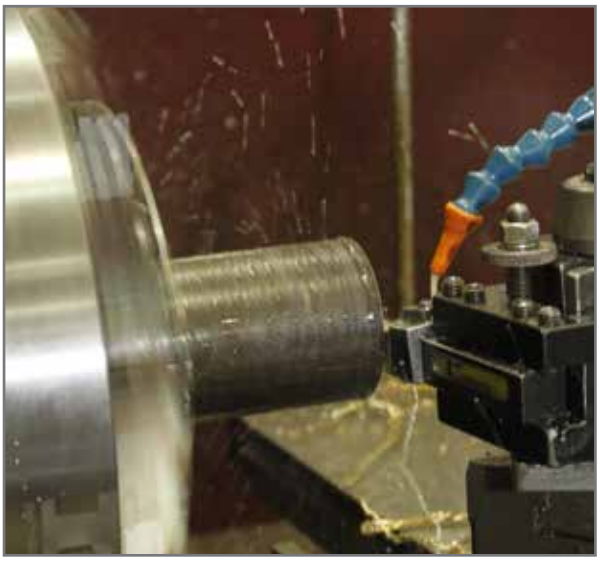
Equipment



Typical Turning Operation

Vertical Milling Machine

Machining

- CNC Milling Equipment
- CNC Turning Equipment
- Wire EDM
- Surface Grinders
- Manual Lathes
- Manual Mills
- Coordinate Measuring Machine (CMM) and FARO Arm
- Optical Comparator
- Miscellaneous Machining Equipment

Welding and Cutting

- Friction Stir Welding (FSW)
- Gas Metal Arc Welding (GMAW)
- Gas Tungsten Arc Welding (GTAW)
- Plasma Arc Welding (PAW)
- Submerged Arc Welding (SAW)
- Electroslag Surfacing (ESS)
- Cutting and Gouging Equipment
- Preheating Equipment

Additive Manufacturing

- Selective Laser Melting (SLM)
- Fused Deposition Modeling (FDM)

Test Fixture Clevis

Contact

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Concurrent Technologies Corporation (CTC) is an independent, nonprofit, applied scientific research and development professional services organization. CTC collaborates with its technology transition affiliate, Enterprise Ventures Corporation, to leverage research, development, test and evaluation work to provide transformative, full life-cycle solutions. To best serve our clients' needs, we offer the complete ability to fully design, develop, test, prototype, and build. We support our clients' core mission objectives with customized solutions and strive to exceed expectations.

CTC's quality management systems are certified to the ISO 9001:2015 (Quality) and 14001:2015 (Environmental) standards, and to AS9100D:2016 (Quality-Aerospace-Related Products).

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