



TruAtlanticMfg
A GREENWICH AEROGROUP COMPANY

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Based in Kernersville, N.C., TruAtlantic Manufacturing has more than 20 years of continued customer satisfaction. Formerly Atlantic Aero Manufacturing the company changed its name to TruAtlantic Manufacturing in 2014.

Its Computer Numerical Control (CNC) state-of-the-art high precision equipment offers superior accuracy and cutting performance reducing turn time for customers. And its "mill/turn" technology allows them to be more competitive; as well as more creative in the way they manufacture products for their customers. In addition to machining, TruAtlantic offers manufacturing engineering, prototype tooling fabrication, detailed sheet metal fabrication, assembly and kitting as well as composites.

At A Glance

- 56,000 square foot climate controlled facility
- ISO9001:2008 + AS9100C certified
- CNC 4 & 5 axis milling/turning centers
- CNC sheet metal fabrication
- Composites - hand layup and pre-preg
- Paint and coatings capabilities
- Kitting and stocking components and sub-assemblies
- Prototype tooling design and manufacture
- Assembly capabilities with balancing and load testing
- Process design and engineering using Catia V5, Gibbs CAM and Solid Works
- Supply chain organization in place with full range of out-side supplier support
- ISO 9001:2008 + AS9100C certified quality system with automated CMM inspection
- FARO platinum arm - laser scanning head capabilities for inspection and reverse engineering

Manufacturing Capabilities

- 3, 4, and 5 axis, multiple pallet CNC machining centers
- 2, 3, 4, and 5 axis, multi-turret, multi-spindle CNC turning
- Full scale assembly, riveting, adhesives, nut-plate, lay-up, welding, etc.
- Anodization, chem film, passivation, and pressure testing via approved suppliers
- Heat treating and plating through our approved suppliers
- Multiple paint booths for all different levels of paint and color matching

Composites

- 600 sq. ft. climate controlled Wet Lay-up room (carbon fiber, fiberglass, etc.)
- 600 sq. ft. climate controlled Prepreg room
- 14' W x 20' L x 9' H cross flow paint booth
- (2) Walk-In ovens (60" W x 132" D x 86" H interior) & (48" x 48" x 72" H interior)

Materials

- All common manufacturing metals both ferrous and non-ferrous
- Most exotic materials such as Titanium, Inconel, Monel and Kovar
- Plastics and Phenolics
- Virtually any form of raw material including castings, forgings, bar stock, ingots, and plate stock

Manufacturing Engineering

- CAD/CAM capability, including solid modeling and rendering
- CATIA V5, SolidWorks, AutoCAD, GibbsCAM
- Full 5-axis and solid surfacing capabilities
- Reverse engineering and measurement using FARO arm with laser scanning head

Quality

- ISO9001:2000 + AS9100C
- Optical Comparators
- Coordinate Measuring Machines
- Faro Portable CMM equipped with laser scanning head
- Multiple calibrated hand-held measuring devices traceable to NIST

Part Size

- Turning Centers
 - 14.01" diameter x 27.75" length
 - 15.3" diameter x 19.1" length
- Milling Centers
 - 31.5" x 20" x 20" w/ 4th axis
 - 40" x 20" x 25" w/4th & 5th axis
 - 50" x 20" x 20" W/4TH axis
- CNC tool room Lathe: 10" O.D. x 80"
- Chucking Lathes: 16" O.D. x 60"