MANUFACTURING CAPABILITIES

Manufacturing Capabilities

Teledyne Brown Engineering offers a full range of manufacturing services from one-of-a-kind articles to full-rate production. We fabricate high-tolerance, precision, and complex components that have stringent Quality Assurance requirements, including nuclear and space-flight items. We have in-house design and engineering capabilities to support system development from concept to completion.

Facilities

- Plant 1 (200,000 ft²)
  - Fully equipped machine shop
  - Electrical/electronics assembly
  - Sheet metal and welding shops
  - Class 300,000 Clean Room
  - 4,000-ft² Class 100,000 Clean Room
  - Paint booth
  - NDE inspection equipment

Quality Approvals

Certified and compliant with industry and government quality standards.

- AS9100D Third-Party Registered
- ISO 9001:2015 Third-Party Registered
- SEI CMMI Maturity Level 4
- NASA SSP-41173 Compliant
- NQA-1 Compliant – Nuclear
- 10CFR50 Appendix B - QA
- Nuclear Power Plants
- Fuel Reprocessing Plants
- ASME – Section III – Nuclear Vessels
- N Stamp, Nuclear Components, No. N-2983
- NPT Stamp, Nuclear Partials, No. N-2984
- ASME – Section VIII – Pressure Vessels
- U Stamp, Pressure Vessels, No. 33,360
- National Board - R Stamp, Repairs, No. R-2240
- Nadcap Certified
- Welding
- Nondestructive Testing – RT, PT
- ASNT Level III Certified
- NAVSEA Note 5000 Authorized Activity

Summary of TBE’s Manufacturing Capabilities

- Mig and tig welding
- Orbital and submerged arc welding
- Mechanical assembly and integration (up to 25-ton lifting capability)
- 3, 4, 5, and 6-axis CNC machining (small and large)
- Manual mill, lathe, and grinding operations
- Sheet Metal Fabrication
- Coordinate Measuring Machine (CMM)/laser inspection
- Nondestructive Testing
- Paint booth
- Electrical assembly and testing
- Laser tracker
- High Bay Lift (2 20-ton cranes)