

Enhanced Reliability through Innovative Processes and Quality Workmanship

Canyon Manufacturing Services provides PCB assembly solutions including state-of-the-art printed circuit board assembly and prototype assembly. Reliability begins with preparation. Proprietary processes developed over years of experience yield an assembly of uncompromising reliability.

Attention to detail in board and component preparation sets Canyon Manufacturing apart from all the other CEMs where high temp and high shock performance is a priority.

Mixed technology and mixed alloy is our normal regimen.

MATERIALS: Turnkey or Consigned

BUILD SIZE: Low to Medium Volume (5 to 1,000+ pcs.)

ASK US ABOUT: New Product Development and Prototypes

NEED A QUOTE? Send us Drawings, BOM's, QTY & Specs



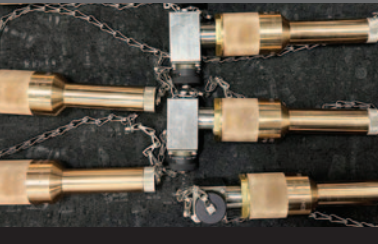
SERVICES

Manufacturing:

- Pre-production and Pilot Builds
- Production PCB Assembly (SMT and PTH)
- Wiring Harness and Cable Assembly
- System Integration and Test
- Box Build and Dock-to-Stock
- Conformal Coating, Staking, Damming
- Mechanical Assembly
- Rotatable Connector Design and Build

Engineering:

- Mechanical Design
- DFM/DFT Reviews
- PCB Layout



Mechanical Assembly



Downhole Connectors

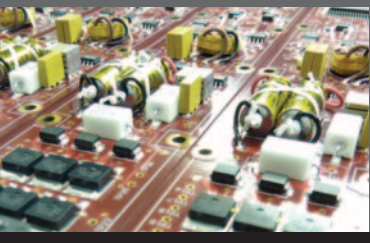


Downhole Boards



Box Build

Canyon manufactures complex mechanical and electro mechanical designs using our customers vision and our techniques. Processes refined and field-proven mean enhanced reliability for any piece of equipment that won't quit. Canyon's downhole connectors are a highly successful demonstration of clever engineering and superior materials science.



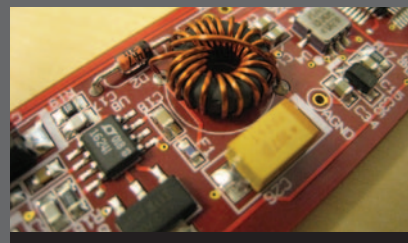
PCB Assembly



MWD Babelfish Connectors



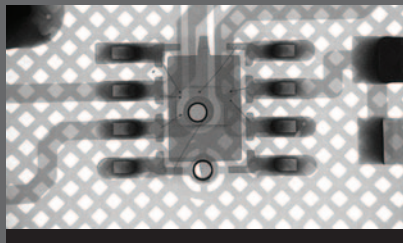
Pick and Place Line



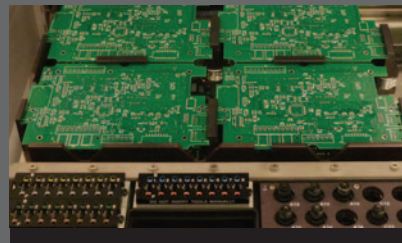
Mixed Technology



Chassis Wiring



Process Analysis

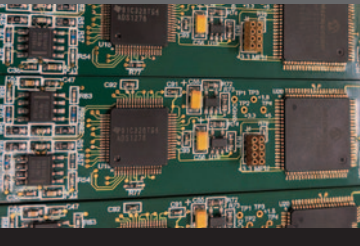


Commercial SMT Assembly



Box Build

From stock parts to custom configurations, large orders to smaller runs, we're able to deliver high-quality product faster and more economically than the competition through our innovative manufacturing process. Along with our highly responsive customer service team, it's how we make certain that when you need reliable parts and services for the job — you can count on Canyon.



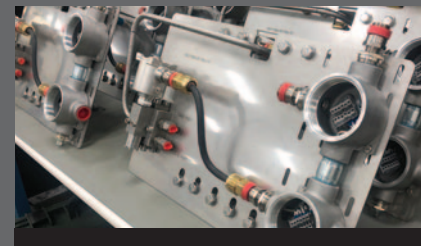
PCB Assembly



XRF Spectrometer Solder Analysis



Smallest Rotatable Connector



Mechanical Assembly

Canyon Manufacturing Services is a growing contract manufacturer of electronic assemblies and electro-mechanical systems.

Test box building, MWD pig tails, potting/encapsulations, staking, damming and conformal coating are part of our services. Canyon can help with failure analysis by tweaking your process for strengthening the weakest link.

Pressure Bulkheads

Standard Specifications:

- Temperature Rating:** 400F (204° C)
- Pressure Rating:** 20K PSI (137.9 MPa)
- Current:** 2 Amps Max
- Insulation Resistance:** 500M Ohm @ 500VDC

Temperature & Pressure Tested:

20,000 PSI (137.9 MPa) @ 400F (200C) thermal cycled and long term pressure tested (over 100 hours), performed on all designs.

Testing per customer specified requirements available upon request.



We have been in business since 1998 as a specialty CMS provider. Our innovations in design, assembly and process automation offer our customers enhanced reliability. We focus on electronic assemblies and systems used in MWD/LWD, wireline and industrial electronics.

Manufacturing Services:

- Pre-production and Pilot Builds
- Production PCB Assembly (SMT and PTH)
- Wiring Harness and Cable Assembly
- System Testing and Qualification
- Box Build
- Conformal Coating
- Integration and Test
- Repair, Rework and Upgrades