

# Materials and processes laboratory

The mission of this area is to thoroughly assess the reliability of materials and processes involved in the manufacturing of components for space.

It involves these interrelated activities:

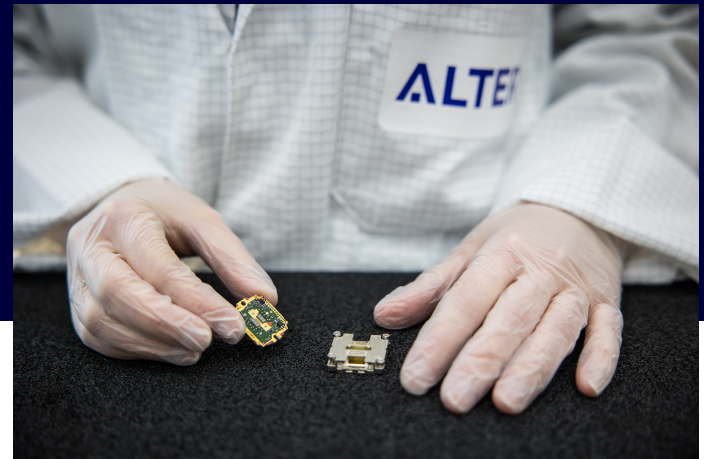
- Soldering verification and PCB
  - Visual inspection
  - Vibration & shock testing
  - Temperature cycling
  - Microsection evaluation
- Failure Analysis

## Contact us

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[www.altertechnology.com](http://www.altertechnology.com)

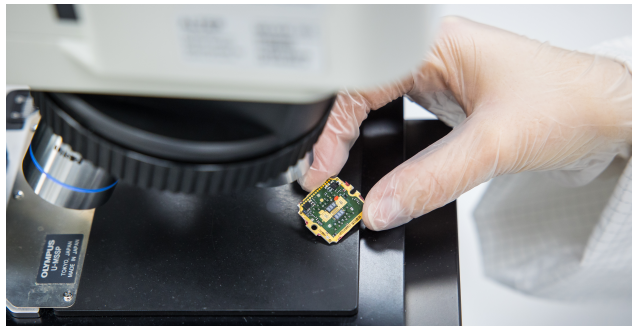
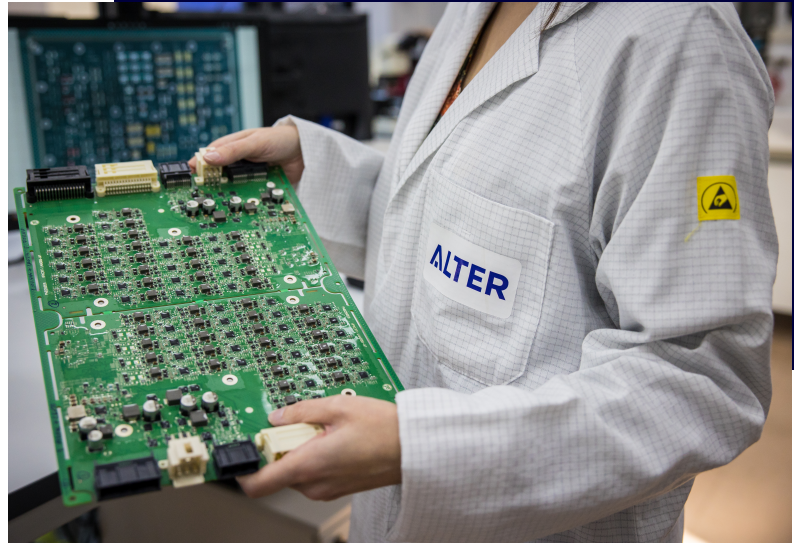


## Main test services:

- Soldering verification
- Component defect evaluation
- Raw material evaluation
- PCB coating evaluation
- Blistering and delamination analysis
- Tin whisker testing
- Moisture and insulation resistance
- Dielectric withstanding voltage
- Thermal shock and temperature cycling
- Thermo-mechanical failures
- 3D dimensional verification
- Vibration test

## Fully accredited

- ISO/IEC 170025 accreditation for environmental and mechanical test
- ESA-STR-258 Certified
- ESA-TECMP-RP-010781, ESA recommended microsectioning laboratory



## Virtual lab

Access your data: obtain your statistics and analytics.

- Real-time lab experience: immediate and full access to the status of the tests
- Live chat with our inspector
- Time saving and cost saving