QUALITY SYSTEM

Robisan Laboratory, Inc. is accredited by The American Association for Laboratory Accreditation (A2LA) to ISO/IEC 17025:2005, the standard used by testing and calibration laboratories. Robisan also has DSCC laboratory suitability status.

The Laboratory strives for formal accreditation to demonstrate its competence in our chosen scope of testing, and to allow us the ability to provide consistently valid results that are mutually accepted around the world.

Specifications Supported:
- IPC-6011, 6012, 6013, 6016, 6018
- IPC-J-STD-001
- IPC-J-STD-002
- IPC-J-STD-003
- IPC-J-STD-004
- IPC-SM-840
- GR-78-CORE
- MIL-PRF-31032
- MIL-PRF-55110
- MIL-PRF-50884 and many others

Industries Supported:
- Aerospace, Automotive, Defense, Medical, Telecommunications

MECHANICAL TESTING

Microsections
- Unparalleled expertise and throughput
- Printed boards, solder joints, components and related features of electronic assemblies
- Next business afternoon turns for structural integrity (Group A) testing
- Evaluation and imaging with top of the line microscopes, optics and cameras

Thermal Cycling/Shock
- Liquid-to-liquid thermal shock, and
- Single chamber air cycling

Convection Reflow Simulation
- Feedback controlled, batch oven, forced air convection reflow simulation
- This allows us to guarantee conformance with IPC-TM-650 method 2.6.27, J-STD-020, or your custom profile every time with no profiling overhead

ELECTRICAL TESTING

Temperature/Humidity/Bias
- State of the art temperature and humidity testing in tightly controlled bench-top chambers
- 35 to 93°C, 60 to 93% R.H.
- Full ramp/soak programming supports customized profiles
- We support all common methods:
  - SIR: Surface Insulation Resistance
  - MIR: Moisture and Insulation Resistance
  - CAF: Conductor Anode Filament
  - ECM: Electrochemical Migration

Some other services:
- Qualifications, Acceptability, and Reliability testing
- Underfill, Overfill testing
- Compliant pin testing
- Cleanliness testing
- Solderability testing
- Subcontract consulting

Many other mechanical services are available