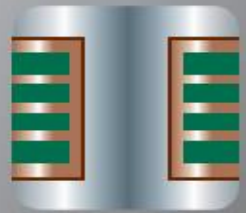


ROBISAN LABORATORY, INC.

*Industry Leader in
Printed Board & Assembly
Evaluation*



RLI

ROBISAN LABORATORY INC.

6502 E. 21st Street
Indianapolis, IN 46219
Phone (317) 353-6249
Fax (317) 917-2379
www.robisan.com



Testing Laboratory
Certificate: # 1441-01 and 1441-02

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.

Many other mechanical services are available

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 cyclical profiles
- We support all common methods:
Solderability accelerated cond.
SIR- Surface Insulation Resistance
MIR- Moisture and Insulation Resistance
CAF- Conductive Anodic Filament
ECM- Electrochemical Migration

Some other services:

- Qualifications, Acceptability, and Reliability testing
- Underfill, Overfill testing
- Compliant pin testing
- Cleanliness testing
- Solderability testing
- Subcontract consulting