



QUANTA LABORATORIES

3199 De La Cruz Boulevard, Santa Clara, CA 95054-0762

Tel: (408) 988-0770 Fax: (408) 988-0762

E-mail: test@quantalabs.com

Website: www.quantalabs.com

Quanta Laboratories is the largest and most experienced independent environmental/mechanical **testing** and **consulting** services laboratory in Northern California. We have over 18 years of experience and have developed 3 special test equipment patents while working with over 1,400 companies. We provide pre-test evaluation, test specification development, environmental/mechanical testing, failure analysis, and design solutions to problems found during testing. Our mission is to provide our customers with **fast scheduling turnaround** and **low cost** testing and consulting services.

Quanta's Capabilities

- Shock and Vibration
- Environmental Stress Screening (HALT & HASS)
- ESS Test and Program Development
- Mil-Spec Testing
- Rotational Shock & Vibration
- Temperature and Humidity
- Temperature and Altitude
- Thermal Shock
- Thermal Cycling
- AGREE Testing
- Semiconductor Package Temperature Cycling
- Acoustic Measurements
- Package Drop
- Package Fragility
- Damage Boundary
- ISTA Package Testing
- NEBS (GR-63-CORE) Testing
- Seismic Testing
- Fiber Optic Component/Module Testing
- Solar Radiation Testing
- Solar UV Testing
- Salt Fog Testing
- Rain Testing
- Icing Test
- Electrostatic Discharge
- Centrifuge (Acceleration)
- Leak Detection
- Test Specification and Procedure Development/Evaluation
- Design of Test Fixtures
- Failure Evaluation Support
- Third Party Formal Reports
- Special Engineered Testing
- Training Seminars



QUANTA
LABORATORIES

3199 De La Cruz Boulevard, Santa Clara, CA 95054-0762

Tel: (408) 988-0770 Fax: (408) 988-0762

E-mail: test@quantalabs.com

Website: www.quantalabs.com

Quanta's Special Test Capabilities

- 14 shakers on-site with force ratings up to 17,000 lbs.
- Patented ESS (HALT, HASS) multi-axes vibration system
- Largest ESS shaker/chamber system, capable of accommodating a 7' rack
- Multiple shock machines with tables up to 36" x 36"
- NEBS testing with state-of-the-art seismic shaker
- Walk-in temperature/humidity chamber (I.D. 12' x 8' x 8')
- AGREE/ESS chamber, I.D. 60" x 64" x 60" at 250°C/min
- Long stroke hydraulic shakers up to 14" stroke
- Patented rotational vibration and shock test system
- Anechoic chamber w/ background noise less than 15 dB(A)
- 3 centrifuge testers up to 9 feet in diameter
- IC thermal shock chamber with ramp rate of 81°F/sec
- Solar UV tester
- Leak detection system to 10^{-10} cc/sec
- Computer controlled equipment to conduct flex, twist, side pull, and retention tests on fiber optic components/modules