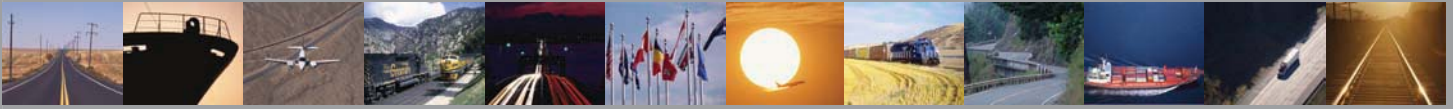


Your Only Source For Customer Focused Shock & Vibration Test Equipment



OUR EQUIPMENT. YOUR SUCCESS.

L.A.B. Equipment, Inc.
Corporate Capabilities



WHO WE ARE

Established in 1933, L.A.B. Equipment, Inc. stands at the forefront of design and the manufacture of product reliability and package testing equipment. Our commitment to the advancement of this industry is unsurpassed, which is why we have been recognized as the global leader for decades. Every machine designed and built by L.A.B. Equipment, Inc. is perfected to the customers needs and industry standards. Our strong work ethic and highly knowledgeable staff of designers, engineers, machinists, customer support, and the global network of sales representatives makes L.A.B. Equipment, Inc. one of the strongest team based organizations around. We continuously strive to improve and make our equipment a part of your success.



PRODUCT TESTING

Shock and vibration levels encountered in end-use environments can degrade the quality of products and increase warranty expenses. Private industry and the military have realized the benefit simulating the conditions a product or component will encounter during operation, distribution and working environments. The design and performance of products can be evaluated and improved through the use of shock and vibration testing systems. With improvement in quality, you will realize a reduction in product damage and an increase in customer satisfaction. The use of L.A.B. Equipment, Inc.'s comprehensive line of test systems will improve time to market, reduce product development costs, minimize warranty expenses, and put your company on the road to maximizing profits.

PACKAGE TESTING

Relying on the distribution environment to test packaging designs and materials can be costly and time consuming. Vibration, compression, drops, and impacts are variables that packages and unitized loads experience when traveling from point of manufacture to final destination. Pre-shipment testing exposes packages to such destructive hazards in a controlled environment. L.A.B. Equipment, Inc.'s comprehensive line of package testing equipment allows designers to test the packaged/product system, minimize packaging materials and costs, and reduce the risk of shipping damages while increasing customer satisfaction.

HOW IS IT DONE?

L.A.B. Equipment, Inc. takes great pride in customer satisfaction and is driven to satisfy the needs of the ever expanding global marketplace. We possess one of the most experienced and highly qualified engineering facilities in the industry. Our highly trained and motivated workforce combined with the latest technology in computer assisted hardware and software design has proven to produce exceptional results. This ensures product quality, minimal product defects, and the full satisfaction of our customers.

OUR SUPPORT SERVICES

In an effort to ensure the seamless integration of our products with your facilities and organization, L.A.B. Equipment, Inc. offers a variety of pre and post-sales support and services. Our support services include: overall project management, equipment installation, on site repair, in house repair, upgrades, operational training, annual calibration, certification programs, and preventative maintenance service contracts. We will build it and we will maintain it. What else could you ask for?

OUR AFFILIATIONS

People turn to L.A.B. Equipment, Inc. because they want reliable product and package testing equipment along with superior support services; and it cannot be done alone. That is why we have teamed up with world class organizations such as: the American Society for Testing and Materials (ASTM), the International Safe Transit Association (ISTA), the Technical Association for the Pulp & Paper Industry (TAPPI), the Institute of Packaging Professionals (IOPP), and the International Organization for Standardization (ISO).

WHAT DOES THIS MEAN TO YOU?

The success of product reliability and package testing relies on precise and dependable test equipment. Our test systems are guaranteed to improve product quality, reduce packaging costs, and minimize shipping damages by ensuring your product or package can withstand the everyday abuse in the distribution environment.

OUR CUSTOMERS

Every industrial, commercial, consumer, and military manufacturer needs to distribute products to their ultimate customer in an effective manner. L.A.B. Equipment, Inc. has been providing equipment and support services to an expansive array of customers for decades. Just ask any one of our customers:

- Hewlett Packard
- Erickson
- LG Group of Companies
- Nestle
- Johnson & Johnson
- Intel
- Proctor & Gamble
- Clorox
- Mattel
- General Electric
- Samsung Group of Companies
- Whirlpool
- Mitsubishi
- PepsiCo, Inc.
- Motorola
- Philips



AUTOMATED SHOCK



The AUTO-SHOCK™ is a fully automated series of shock test systems used to measure and identify product fragility levels and evaluate protective packaging. With the simulation of real world shock pulses and impact energy levels, manufacturers can systematically test and optimize product design and packaging. L.A.B. Equipment, Inc.'s fully automated computer controlled shock and data analysis test systems are the critical path in accomplishing this optimization.

MECHANICAL SHOCK

The need for products to survive various shock levels in an operating environment requires in-house testing of product during design and evaluation stages. L.A.B. Equipment, Inc.'s SD-Series™ mechanical free fall test systems produce accurate and repeatable half-sine, squarewave, and sawtooth pulses in accordance with JDEC, military, and other industry specifications.



HYDRAULIC VIBRATION



Our Hydraulic Vibration Systems are used to determine the ability of packages to withstand the effects of vibration and handling encountered within the distribution cycle. L.A.B.'s hydraulic systems perform sine and random test cycles. These computer-controlled systems also enable input of actual field recorded data to better replicate the destructive elements of the known distribution cycle.

AGREE SERIES VIBRATION

Our AGREE series of mechanical shakers with a frequency range of 8-60 Hz, providing a low-cost approach for testing electronic products and components for loose solder connections, hardware failures, and battery testing. For the users convenience, we also offer a computer control option (Advance Machine Control +) which expands the capabilities of the equipment even further. Our AGREE-series of mechanical shakers provide a low-cost approach for testing electronic products and components.



V-SERIES™ VIBRATION



L.A.B.'s Transportation Simulators are used to determine the ability of packages and products to withstand shocks and vibration encountered during the course of typical handling and transportation. These machines are capable of producing repetitive shock tests and three types of motion: rotary synchronous, vertical linear, and non synchronous motion. For the users convenience, all perform one inch of fixed displacement with a frequency range of 2-5 Hz.

DROP TESTERS

Our AccuDrop™ Series of precision drop testers represent the ultimate dimension in product and package performance verification. The drop testers provide an efficient and ergonomic method of determining the ability to withstand the various impacts of handling and shipment. The effects of manual stacking, loading, and dropping are easily duplicated through the ability to perform laboratory controlled precise flat, corner, and edge drop tests.



INCLINE IMPACT



Incline Impact Testers are used to simulate the handling of crates, palletized loads, and rail car carriers. Several sizes are available for testing palletized loads and single products up to 12,000 lbs. (5,454 kg). Our line of velocity recording instrumentation will also provide you with the qualitative results and documentation required to substantiate the performance of your product or packaged system.

TEST LAB PROFESSIONAL™

TestLabProfessional (TLP)™ is a PC-based data acquisition system designed to complement any drop, shock, and vibration package test system. TLP™ provides the ability to accurately capture, analyze, and provide quantitative results of your product and package testing. TLP™ is critical in assessing your packaged systems performance in the distribution environment.



OUR EQUIPMENT. YOUR SUCCESS.



CONTROL THE UNCONTROLLED



GLOBAL SERVICE

Our support services include: overall project management, equipment installation, on site and in house repair, upgrades, operational training, annual calibration, certification programs, and preventative maintenance service contracts. L.A.B. Equipment, Inc. is a team based organization committed to manufacturing quality products on a consistent basis while maintaining a work ethic and attitude directed towards continuous improvement. Our product quality, reliability, and customer support services are second to none.



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