Your Only Source for Customer Focused
Shock & Vibration Test Solutions

TECHLABSYSTEMS

HV-Series: Hydraulic Vibration Testers





L.A.B Hydraulic Vibration Systems are specifically configured to meet various test performance criteria. Please let us know your specific requirements so we can provide the right test solution for you.



The LAB HV-Series line of hydraulic vibration test systems are ideal for a wide spectrum of testing applications ranging from sine sweep tests to the most complex real-time random simulation. L.A.B's HV systems have the ability to replicate specific real-world dynamics acquired in the field in your controlled test environment. Our systems have the capability to comply almost all any ISTA, ASTM, GB-T, MIL-STD, ISO or company specific standards you will encounter for package, packaged systems and product testing.

The L.A.B HV Systems are employed around the globe to assist its customers in meeting or exceeding; their internal vibration test requirements, vendor or supplier imposed test requirements such as **Amazon Series 6**, assisting customers in designing a better valued package/packaged product/product or simply as a tool in delivering a better product to their customer.

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Providing a solution that ensures the intended product arrives at its ultimate destination in its intended condition, is what L.A.B customers have come to expect from us.

For over 50 years L.A.B has been designing, manufacturing, selling and supporting HV Vibration Systems around the globe with its well trained and highly responsive partners. L.A.B Partners are located in Asia, Europe, Middle East, North and South America.

Our customers are both large and small. Fortune 100 companies as well as small manufacturers and test houses. Our customers are; medical device manufactures, pharma companies, consumer electronic companies, global appliance manufacturers, national test and compliance organizations, military and defense contractors, chemical, food and beverage companies and consumer goods companies…just to name a few.



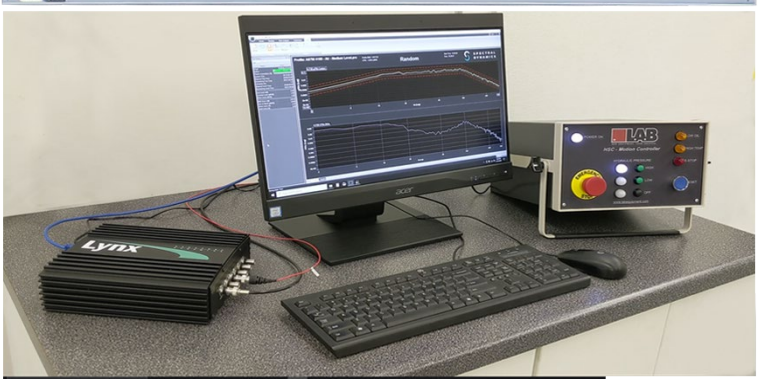
Find out why L.A.B is the market leader in developing solutions to meet or exceed your ISTA, ISO, ASTM or Mil-Std. vibration test requirements. Read more about the HV System from L.A.B Equipment Inc, email or call us to find out more.

We look forward to becoming the solution provider you are looking for.

Need to see what Specific LAB Equipment is needed for your ISTA Test Protocol? Follow this link.

Equipment Requirements for ISTA







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Hydraulic Vibration(HV) Systems perform the repetitive bounce, sine sweep, resonance search and dwell, and random vibration tests that help you:

- Design package systems that survive the distribution environment
- Identify components susceptible to fatigue failure
- Reduce package material costs
- Minimize shipping damage claims
- Cut warranty expenses
- Comply with customer/vendor test requirements such as **Amazon Series 6** as well as other ISTA test requirements
- Deliver a **BETTER** product to your customer!



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What Is A Hydraulic Vibration System?

- An L.A.B. Hydraulic System is a rigid table surface supported and driven by a closed-loop servo controlled hydraulic actuator.
- The system is capable of producing single axis vibration at controlled levels of displacement, velocity or acceleration throughout a specific range of frequencies.

Standard System Components

- Vibration Table
- Actuator/Piston Assembly
- Hydraulic Power Supply
- Hydraulic Manifold
- Servo Valve
- LAB **Motion Controller** HSC Servo Controller
- Lynx™ Digital Vibration Control System
- 1-G Supports (48” and Larger)



Vibration Table

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L.A.B. Equipment, LLC, 1549 Ardmore Avenue, Itasca, IL 60143,
USA Phone: 630-595-4288 Fax: 630-595-5196
www.labequipment.com