

Seismic endurance requires trust

We test seismic vibration safety by verifying design and performance.

Trusted experts in mechanical seismic testing and certification

Computer modeling for resistance to seismic activity can only account for so many scenarios. At UL, our mechanical seismic testing and certification services emulate the physical stress that your equipment or prototype design may encounter. This allows you to confidently assess build performance, verify future plans and certify that your equipment complies with industry and international standards.

Helping to build trust in your brand with seismic testing

Whether you're testing existing builds or verifying the designs of a prototype, we offer you the scientific expertise to promote trustworthiness when it comes to seismic activity. Our facilities, experienced staff and testing industry leadership allow you to leverage trusted, accurate data.

We offer testing for:

- Telcordia GR-63 Zone 4 earthquake
- AC 156 seismic testing
- IBC standard
- OSHPD Certification

Seismic table capabilities:

- Testing up to 5,000 lbs.
- Maximum 5G acceleration
- Sinusoidal vibration from 1-100hz .2G acceleration
- 11-inch displacement
- 5-foot by 5-foot base
- High vertical clearance

Types of equipment we test:

- Equipment frames and cabinets
 - Two- and four-post equipment frames
 - Battery cabinets
 - Cellular base stations
- Wall-mounted products
 - Outdoor telecommunications units
 - Fire alarm control panels
 - Industrial power distribution panels
- Telecom enclosures and equipment
 - Shelves
 - Frame-level systems
 - Outside Plant Product (OSP) enclosures/uninterruptable power supplies/systems
 - Outdoor pole-mounted enclosures





Seismic testing for hospitals, healthcare facilities and emergency services

Protecting lifesaving systems is critical. Seismic testing can help test, verify and certify that facility systems can withstand and operate after an earthquake. It's an added level of performance and confidence essential to equipment that plays such an important role.

Types of hospital equipment we test:

- Fire panels
- Generators
- Power panels
- Network switches
- Sub-systems
- Core safety components
- Heating, ventilation and air conditioning (HVAC) systems

Flexible testing for quick turnarounds

We offer basic and custom builds for your testing needs. All fixtures are built in-house, which allows us to receive and test equipment quickly, efficiently and accurately. Our expert staff can work with you remotely to reduce travel risks and expenses. Tests are performed by full-time staff avoiding subcontracting delays.

Types of mounting configurations:

- Floor
- Frame
- Pole
- Wall
- Ceiling



One-on-one customer service

Our expert technicians will work directly with you to understand project needs for a seamless testing experience. We help determine project scopes, verify logistics and ensure all testing and service details are met. We also provide expertly curated test results in a detailed, comprehensive report.

For more information about our complete seismic and vibration testing services, visit UL.com or contact us at ConsumerTechInfo@ul.com.



Empowering Trust[®]