

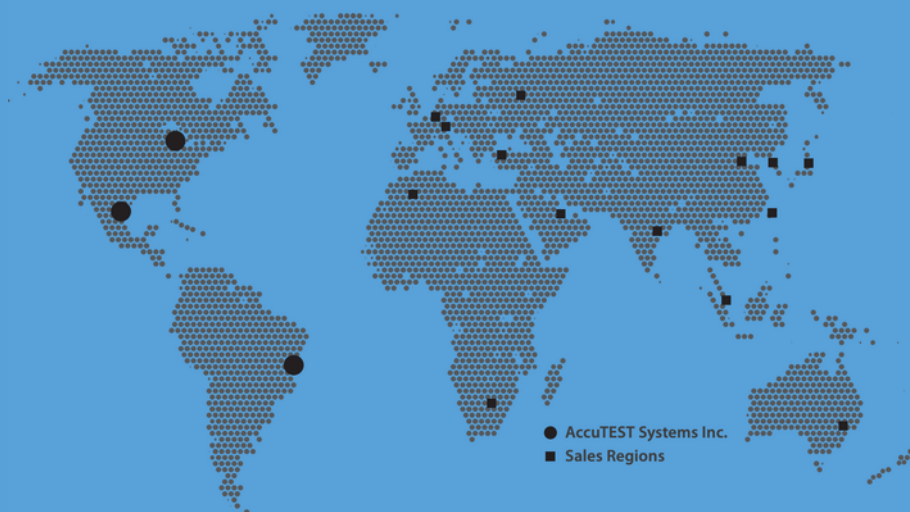
In-line Safety Valve Testing

**Engineered for Accurate In-Line Safety Valve Testing.
Proven in the Field.**

Pressure Safety Valves protect people, equipment, and critical processes. Accurate testing is essential to verify they will perform when called upon. The AccuTEST In-Line Safety Valve Test System was engineered to produce consistent, repeatable results while valves remain installed and operating under normal process conditions, eliminating the need to remove valves or take equipment out of service.

At the heart of the AccuTEST System is a computer-controlled electric drive that precisely controls lift force throughout the entire lifting process. Smooth, controlled force application reduces overshoot near the set point, minimizes operator-dependent variation, and delivers highly repeatable results from technician to technician.

The system automatically identifies sensors, verifies calibration, records lift force, line pressure, and acoustic lift data, calculates set pressure, and generates permanent digital test records. Designed for in-line testing using industry-accepted practices, AccuTEST combines advanced engineering, decades of field experience, and responsive worldwide technical support to deliver the accuracy, consistency, and confidence required for critical Pressure Safety Valve testing.



● AccuTEST Systems Inc.
■ Sales Regions



The AccuTEST Difference

Accuracy

- **Computer-Controlled Force Application** — A battery-powered electric motor precisely controls lift force throughout the test—from initial force application through valve lift—reducing overshoot near the set point and improving repeatability.
- **Repeatable Results** — Smooth, controlled force application minimizes technician-to-technician variation for consistent, reliable test results.
- **Self-Aligning Load Rig** — Lightweight titanium construction minimizes side loading and spindle binding, improving measurement accuracy and reducing rig binding during testing.
- **Automatic Load Cell Recognition** — Automatically identifies connected load cells and verifies sensor configuration before testing, helping eliminate setup errors and ensuring the correct sensor is used for every test.
- **Wide Operating Range** — Standard load rig supports lift forces up to 10,000 lb (4,500 kg) for testing across a broad range of valve sizes and applications.
- **High-Accuracy Measurement** — Temperature-compensated load and pressure sensors provide accurate, reliable measurement across varying operating conditions. Load cell accuracy is $\pm 0.075\%$ FS.

Productivity

- **True In-Line Testing** — Verify valve set pressure without removing the valve, overpressurizing the system, or taking equipment out of service.
- **One-Technician Operation** — Compact equipment and automated testing simplify setup and improve field productivity.
- **Battery-Powered Operation** — Provides up to two days of typical field testing between charges.

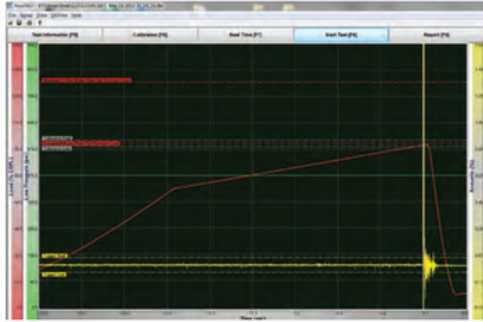
Designed for the Field

- **Lightweight Titanium Load Rig** — Strong, lightweight construction reduces lifting weight while standing up to demanding field service.
- **Compact Portable System** — Designed for fast setup, easy transport, and efficient testing across multiple valves.
- **Rugged Transport Case** — Protects the system during shipping and field deployment.
- **Extended Reach** — A 30 ft (9.1 m) control cable provides flexibility when working around operating equipment.

Operation & Flexibility

- **Automated Test Execution** — Automatically measures and records lift force, line pressure, and acoustic lift data, calculates set pressure, and generates permanent digital test reports.
- **Manual Mode** — Allows technicians to directly control lift force while the AccuTEST System continues to apply force smoothly and precisely using its computer-controlled electric motor. Measurement, data acquisition, and reporting remain fully integrated throughout the test.
- **Universal Valve Compatibility** — Accommodates exposed spindle valves from all major manufacturers with complete English and Metric adapter sets.
- **Integrated Valve Database** — Includes thousands of valve configurations with the ability to add additional valve specifications as needed.





Data & Reporting

- **Comprehensive Digital Records** — Creates permanent electronic records including force curves, valve history, maintenance history, calibration information, and graphical test reports for complete traceability.



Reliability & Support

- **Built-In System Protection** — Continuous hardware and software monitoring helps protect load cells from overload and assists with proper system operation.
- **Responsive Technical Support** — From installation and training to calibration, software updates, troubleshooting, and application support, the AccuTEST team is committed to helping customers maximize system performance throughout the life of the equipment.

At AccuTEST Systems, we engineer in-line Pressure Safety Valve testing systems that help valve service companies and plant operators perform accurate, repeatable testing with confidence. Designed and manufactured in the United States, our systems combine computer-controlled lift force, advanced measurement technology, and intuitive software to improve testing accuracy, productivity, and data integrity.

From routine field service to demanding industrial and nuclear applications, AccuTEST systems are trusted around the world for their performance, reliability, and ease of use. Our commitment extends beyond every system we build by providing the training, technical expertise, and responsive support our customers depend on for long-term success.