INSTRON®

The difference is measurable®

INSTRON® AT A GLANCE

High-Quality Products, Expert Support and World-Class Service

The Instron brand is widely recognized for producing some of the most accurate, responsive, and secure materials systems in the world. With seated members on international compliance boards and a global network of experienced and skilled service technicians, Instron backs each system with all the resources necessary to support it throughout its lifetime. For over 75 years we have been proud to design some of the most advanced, high-quality equipment in the materials testing industry.

Electromechanical Test Systems

Electromechanical or universal systems can be configured to perform tensile, compression, flexure, shear, peel, tear, and other tests. Applications range from testing the texture of food products to testing the reliability of microelectronic components and the strength of ceramics at extremely high temperatures.

Dynamic & Fatigue Test Systems

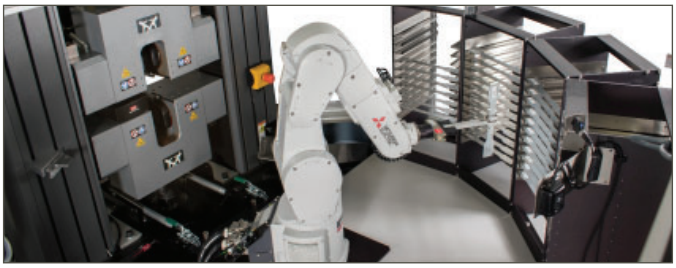
Electrodynamic and servohydraulic testing systems provide the capability to test materials and components in cyclic fatigue to either characterize materials or to simulate long-term operation. Applications range from testing bio-mechanical devices to testing aircraft components under thermo and mechanical loads simultaneously.

Rheology Test Systems

From basic Melt Flow Testers for quality control to advanced Capillary Rheometers for research and development, our rheology systems determine the flow properties of thermoplastic polymer melts.

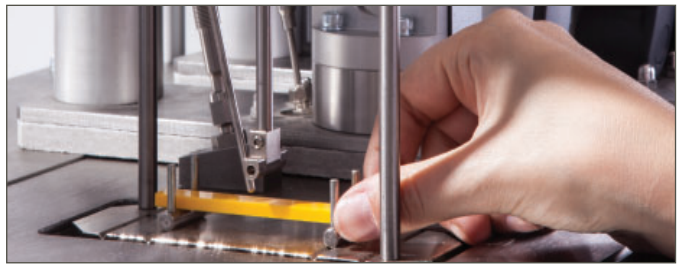
Crash Simulation Test Systems

Instron is a market leader in crash simulation sled systems with over 80 facilities installed worldwide. The crash simulators are capable of reproducing a wide range of standardized and user-defined crash tests, while Instron's acceleration sled systems are used for the development and approval of vehicle safety systems and parts.



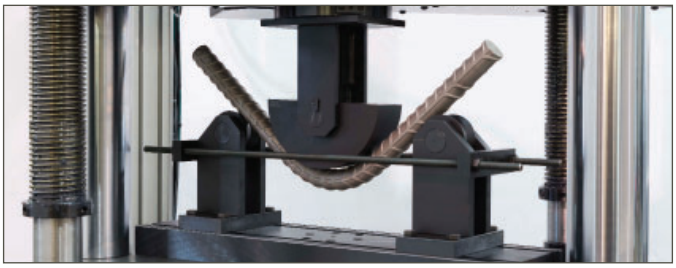
Automated Testing Systems

Automated testing systems are designed to increase safety, repeatability, and throughput while reducing the need for operators to perform repetitive tasks. Automated systems can be pre-loaded with specimens and run for hours without operator intervention.



Thermo-Mechanical Test Systems

Thermo-Mechanic systems are used to characterize the behavior of plastic materials at high temperatures, measuring the heat deflection temperature (HDT) and the Vicat softening temperature (Vicat).

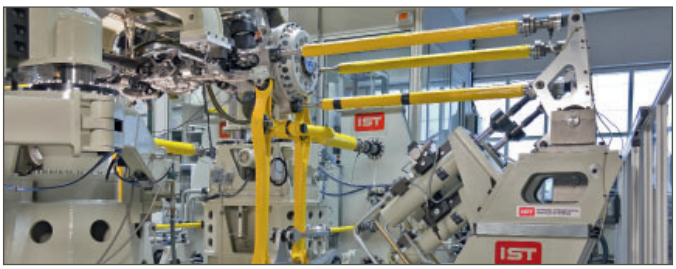


Static Hydraulic Test Systems

Developed for high-capacity testing, the Industrial Series uses cost-effective hydraulics to provide the forces necessary for static tension, compression, and bend testing. These systems are commonly used to test metal samples, concrete, rebar, tube, wire, steel bar, steel plate, and fasteners.

Impact Test Systems

Impact systems determine the energy absorption characteristics of materials and structures. These systems are designed to provide impact energies from under 1 Joule to in excess of 27,000 Joules. Methods of impact include pendulum, drop weight, and spring-assisted models.



Structural Test Systems

Test and simulation systems bring the road directly into your laboratory, enabling the accelerated simulation of the full service life of a vehicle under repeatable, controlled conditions. Solutions range from simple, single-channel component test rigs to systems enabling a complex simulation of virtually all loads acting on a vehicle or structure. A modular concept allows individual test rig components to be tailored to specific requirements.

Services and Support

Instron Service is dedicated to providing the most accurate, highest quality services and technical expertise throughout the life of your testing system. Instron Service strives to give each customer the best possible experience through an unmatched level of professionalism and efficiency delivered by one of our regularly trained and courteous engineers local to you.

www.instron.com

INSTRON®

Worldwide Headquarters
825 University Ave, Norwood, MA 02062-2643, USA
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters
Coronation Road, High Wycombe, Bucks HP12 3SY, UK
Tel: +44 1494 464646