



The difference is measurable™

NEW 5900 SERIES UNIVERSAL MATERIALS TESTING SYSTEMS

Instron, a leading provider of testing equipment solutions designed to evaluate mechanical properties of materials and components, announces its new line of universal materials testing equipment. The 5900 Series offers exceptional performance packaged in innovative frames, designed with enhancements that deliver superior accuracy and reliability, improved ergonomics, and an enhanced overall experience for the operator.



The **single column tabletop systems**, with a small footprint ideal for lab use, are designed for low-force testing up to 2 kN. These systems are commonly used for medical devices and biomaterials, textiles, small components and electronics, food, paper, and plastic films. The **dual column tabletop systems** are ideal for mid-range testing. With testing capacities up to 50 kN, these multi-purpose tabletop instruments meet the requirements of a variety of industries, and are commonly used for plastics, metals, and rubber. The **dual column floor model systems** are built for high-capacity testing up to 600 kN. These robust, heavy-duty frames are ideal for demanding applications including testing of high-strength metals and alloys, advanced composites, aerospace and automotive structures, and more.

The servo-control and signal conditioning electronics are designed by Instron specifically for materials testing applications. Our proprietary load cell design allows us to control all facets of force measurement - the most critical aspect of mechanical testing. The cutting-edge load cell construction ensures that our systems achieve their maximum level of performance. Additionally, our significant investment in primary force calibration standards and a factory-based calibration laboratory allows us to offer capabilities normally found only in a National Standards laboratory.

5900 Series Load Frames are built with robust ball screws, precision guidance columns, and dual-belt drive systems, and are designed to provide higher stiffness and precise alignment for testing everything from medical devices to high-strength composites. The rigid mechanical design ensures the best possible conditions for repeatable test conditions and reliable results, and is the primary reason why Instron systems last for decades.

The 5900 Series operates on Bluehill® 2 Software and a control panel that contains customizable soft keys and live displays that monitor real-time data from any two channels (e.g. load, extension, tensile stress). Tests can easily be run directly from the control panel, resulting in greater overall testing efficiency.

For more information on Instron's products and services, visit www.instron.com. Click on 'Contact Us' to locate a sales, service and technical support office near you.