Flexible, High-Productivity Single-Column Materials Tester

A new single-column materials testing machine from Lloyd Instruments provides enhanced speed, accuracy and flexibility for all materials testing applications under 1kN force. High-precision displacement measurement is assured by the Model LS1 instrument's linear guide technology, pre-loaded ball screws and advanced software compensation systems.
Industry applications include plastics, packaging, medical devices, automotive, electronics, textiles, rubber and pharmaceuticals. It can be used for tensile and compression testing, friction, tearing, peeling, insertion/extraction, creep/relaxation and many other measurements in manufacturing, product development and research.

Available in standard (500mm) and extended (800mm) travel versions, the LS1 universal testing machine has an extended crosshead speed range from 0.01 – 2032 mm/min. Load accuracy of +/- 0.5 down to 1% of load cell value provides high dynamic range, reducing the number of load cells required to cover the force range. The wide throat depth (180 mm) provides a large working area for sample placement. A more compact physical orientation takes up less side-to-side bench space than previous models.

A new version of Lloyd Instruments' NEXYGENPlus materials testing software allows flexible, intuitive setup and control by standard PC or laptop with USB interface. Handheld controllers and integrated control consoles also are available. Trend reports can be created for statistical quality control.

Lloyd Instruments
727-536-6000; www.lloyd-instruments.com [1]

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