


Universal Testing Machines

Universal Testing Machines (UTM) are essential for precise material testing across tensile, compression, bending, peel, and shear applications in industries such as metals, plastics, composites, biomaterials, and packaging. These advanced testing systems are designed with high structural rigidity, accurate axial alignment, and excellent repeatability to deliver reliable mechanical test results. Modern UTMs are compact in design, user-friendly, and require minimal maintenance, making them ideal for quality control labs, research & development centers, and production environments. They are engineered to meet international testing standards such as ASTM and ISO, ensuring accurate and compliant material evaluation.

Today's Universal Testing Machines come with flexible configuration options, including advanced controllers and intelligent software that support automated testing, customized test methods, and detailed data analysis. A wide range of accessories such as grips, fixtures, extensometers, and environmental chambers allows users to perform application-specific testing with high precision. These machines are widely used across industries to analyze material strength, durability, and performance under various conditions, making them a critical investment for industries focused on quality assurance and product reliability.




eXpert 2600
Dual Column Universal Testing Machine

The eXpert 2600 is a versatile dual column electromechanical universal testing machine built for QA, R&D, and production teams needing reliable tensile, compression, and flexural testing on plastics, metals, and composites. Available in table-top or floor-standing configurations from 5 to 600 kN, it delivers high-force performance with excellent alignment, stiffness, and crosshead guidance—ideal for general-purpose production testing and application-specific workflows.

- Force capacities from 5 to 600 kN (1,125 to 135,000 pound-force) for most medium-duty applications
- Configurable for 10+ loading cases (tension, compression, bending, shear, and more)
- Both table-top and floor-standing models available (suitable for any lab space)

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