

Universal Testing Machine for Tensile Testing 1-600KN

The universal testing machine is designed for tensile testing with a force range from 1KN to 600KN. It features a robust frame, precise load cells, and advanced control systems to ensure reliable and repeatable results.



Overview

High-Precision Universal Testing Machine

This electronic universal testing machine provides unparalleled accuracy and reliability for comprehensive material analysis. Engineered to comply with global industry standards including GB, ASTM, and ISO, it supports a wide array of mechanical tests such as tensile, compression, bending, shear, and peeling. Its robust design and advanced control systems make it an essential tool for evaluating high-strength metals, advanced composites, polymers, and structural components across various industrial sectors.

Performance Specifications

Force Range	600 KN
Minimum Force	1 KN

Test Capabilities

Calculated Parameters

- Maximum Test Force
- Tensile Strength
- Bending Strength
- Compressive Strength
- Elastic Modulus
- Elongation at Break
- Yield Strength

Supported Mechanical Tests	Tensile, Compression, Bending, Shear, Peeling, Tearing
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Industry Compliance

Supported Standards

GB • ASTM • ISO

Application Areas

Target Industries

- High Strength Metals
- Advanced Composite Materials
- Aviation & Automotive
- Bolts & Fasteners
- Rubber & Adhesives
- Polymers
- Textiles
- Biomedicine
- Microelectronics