

600KN High Precision Universal Testing Machine

The 600KN universal testing machine is designed for tensile, compression, bending, and shearing tests. It features a robust frame with adjustable crosshead speed and precise load measurement.



Overview

High-Precision Universal Testing Capability

This electronic universal testing machine provides unparalleled accuracy and reliability for rigorous material analysis. Designed to meet global industry standards, it performs a comprehensive suite of mechanical tests including tensile, compression, bending, shear, and tearing. Its robust engineering makes it an ideal solution for testing high-strength metals, advanced composites, and structural components across aerospace, automotive, and microelectronics industries.

Key Metrics

Maximum Load Capacity

600 KN

Max Load

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

Compliance & Safety

Industry Standards

GB • ASTM • ISO • EN

Safety Features

- Overload Protection
- Emergency Stop

Applications

Target Industries

- Aerospace
- Automotive
- Microelectronics
- Biomedicine
- Advanced Composites
- Rubber & Polymers
- Textiles