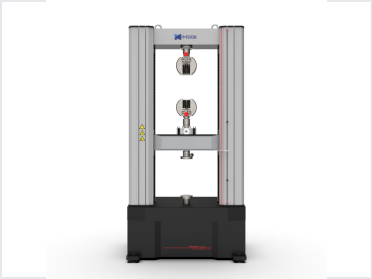
High Precision Universal Testing Machine for Material Testing

This universal testing machine is designed for tensile, compression, bending, and shear testing of materials. Its high-stiffness frame and advanced control system ensure accurate and reliable test results.



Product Overview

High-Precision Material Testing Solution

The D series electronic universal testing machine is engineered for unparalleled accuracy and reliability in material analysis. Designed to comply with GB, ASTM, and ISO industry standards, it performs a wide range of mechanical tests including tensile, compression, bending, shear, and peeling. This versatile system is essential for evaluating high-strength metals, advanced composites, polymers, and structural components across various industrial sectors.

Capabilities

Calculated Parameters

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

Supported Test Types	Tensile, Compression, Bending, Shear, Peeling, Tearing

Compliance & Standards

International Standards

GB • ASTM • ISO • EN

Technical Specifications

Load Capacity

100 kN
Max Force

Key Hardware Features

- High-stiffness load frame
- Precision load cell
- Advanced control system
- Adjustable crosshead speed
- Real-time data acquisition
- Automatic test report generation

Applications

Target Industries

- High strength metals
- Advanced composite materials
- Aviation and automotive structural parts
- Bolts and fasteners
- Rubber and adhesives
- Polymers and textiles
- Biomedicine
- Microelectronics