High Precision Universal Testing Machine

This universal testing machine offers industrial-leading accuracy and reliability for material testing. Its high stiffness frame ensures good repeatability and reliable data.

Overview

High Precision Universal Testing Machine

This electronic universal testing machine delivers unparalleled accuracy and reliability for comprehensive material analysis. Designed to meet international standards including GB, ASTM, and ISO, it facilitates a wide range of mechanical tests such as tensile, compression, bending, shear, peeling, and tearing. Its versatile design supports diverse applications across industries like aerospace, automotive, polymers, and biomedicine.

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

Technical Specifications

Force Capacity Range

1 KN	600 KN
Minimum Capacity	Maximum Capacity

Compliance Standards

GB • ASTM • ISO

Applications

Suitable Industries

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