

300KN High Precision Universal Testing Machine for Textiles

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



Overview

High Precision Universal Testing Capability

This electronic universal testing machine provides unparalleled accuracy and reliability for demanding material testing environments. Designed to comply with GB, ASTM, and ISO industry standards, it supports a comprehensive range of mechanical tests including tensile, compression, bending, shear, peeling, and tearing. It is an essential tool for quality control and research across sectors such as textiles, advanced composites, automotive parts, and polymers.

Performance Metrics

Maximum Test Force

300 KN

Force Capacity

Supported Mechanical Tests

Tensile, Compression, Bending, Shear, Peeling, Tearing

Technical Specifications

Calculated Parameters

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

Compliance Standards

GB, ASTM, ISO

Applications

Target Industries

Textiles • Metals • Advanced Composites • Aviation • Automotive • Fasteners • Rubber & Adhesives • Biomedicine • Microelectronics