

Universal Material Tensile Strength Tester

This universal testing machine determines the tensile strength of various materials. It features precise data acquisition and analysis for quality control and research applications.



Product Overview

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This computer-controlled universal material tensile strength tester is designed for precise quality control and research applications. It supports a wide variety of testing modes including tensile, tear, peel, and elastic recovery tests across diverse materials. With high-speed sampling and comprehensive PC-based analysis, this system provides reliable data for industrial and laboratory environments.

Performance Metrics

Measuring Range

100 N Minimum Force	5000 N Maximum Force
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Tensile Speed	2mm/min ~ 1200mm/min
Return Speed	2mm/min ~ 1000mm/min
Elongation Capacity	350 %

Technical Specifications

Power Supply	AC220V, 50HZ
Dimensions	690mm x 480mm x 1270mm
Weight	130 kg

Standards Compliance

Compliant Standards	ASTM D5034, ASTM D 2261, ASTM D434, GB/T3923, GB/T3917, GB/T13772, FZ/T80007.1, ISO5081, DIN53859, DIN53858, BS3320, BS4303, BS2576, BS2543
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Operational Features

Supported Test Modes

- Tensile
- Tear
- Peel
- Fixed Load
- Fixed Elongation
- Elastic Recovery Rate
- Broken Test
- Compression
- Bending

Certifications

CE • ISO 9001:2000