

Tensile Strength Testing Machine

This tensile tester measures the tensile properties of various materials. It is used for assessing the strength and elongation of films, adhesives, rubber, and paper.



Product Overview

Precision Material Testing

This versatile tensile tester is designed to evaluate essential performance metrics of materials including plastics, composite films, non-woven fabrics, and rubber. It features a user-friendly 7-inch TFT touch screen and precise PLC control for consistent results in tensile, peeling, deformation, and tearing tests. Engineered with a ball screw system, it offers accurate speed and displacement control, making it an ideal choice for quality control and material research labs.

Technical Specifications

Standard Test Range	200 N
Optional Test Ranges	50N, 100N, 500N, 1000N
Test Speed	1-500 mm/min (stepless speed changing)
Measurement Accuracy	0.5 % F.S.

Operational Features

Safety Functions

- Limiting device
- Automatic returning function

Controller	PLC programmable logic controller
Display Type	7 inch TFT touch screen
Test Capabilities	Tensile, Compression, Peeling, Deformation, Tearing, Heat sealing, Adhesion, Puncture

Standards Compliance

Supported Standards

- ISO 37
- ASTM D882
- ASTM E4
- ASTM D3330
- ASTM F904
- ASTM F88
- ASTM D1938
- JIS P8113
- GB/T 1040