

Tensile Strength and Elongation Tester

This tester is designed for evaluating the tensile properties of various materials. It accurately measures elongation and breaking force, providing essential data for material characterization and quality control.



Overview

Electronic Tensile Tester

This electronic tensile tester is designed for precision mechanical property testing across a wide range of industries including packaging, food, pharmaceuticals, and cosmetics. It supports diverse test items such as tensile strength, peeling, deformation, tearing, and heat seal analysis. The instrument provides high-resolution measurement capabilities and is compliant with numerous international testing standards, ensuring reliable quality control for flexible materials like films, adhesives, and non-wovens.

Performance Metrics

Force Measurement Range

500 N

Max Force

1500 %

Elongation

Test Speed	500 mm/min
Displacement Precision	±0.5%
Effective Test Travel	800 mm

Technical Specifications

Force Resolution	1/100,000 of full range
Power Supply	AC220V / 50Hz
Dimensions (L x W x H)	600 x 600 x 1300 mm
Weight	70 kg

Applications & Standards

Compliance Standards

- ASTM D828-1997(2002)
- ASTM-D882-09
- ASTM D1938-2006
- ASTM D3330
- ASTM F88-06
- ASTM F904-08
- JIS P8113-1998
- GB/T8946-1998
- GB 8808-1988
- GB 13022-1991

Compatible Materials

Plastic films, Laminated materials, Flexible packaging, Adhesives, Adhesive tapes, Non-woven, Rubber, Paper fiber