

# Universal Testing Machine for Plastic Film

This universal testing machine is designed for tensile, compression, and flexural testing. It is suitable for quality control, research and development, and material characterization applications.



## Overview

### Precision Testing for Flexible Materials

This electronic tensile tester is engineered for comprehensive physical and mechanical property analysis of plastic films, flexible packaging, and adhesives. It supports a wide array of test types including tensile strength, peeling, deformation, tearing, and heat seal integrity. Ideal for the food, pharmaceutical, and cosmetic packaging industries, this machine delivers reliable data for quality control and material characterization.

## Performance Metrics

### Force Measurement Range

**500 N**

Max Force

**1500 %**

Max Elongation

### Displacement Precision

Within  $\pm 0.5\%$  of the indicating value

### Test Speed

0-500mm/min (stepless speed regulation)

### Effective Test Travel

800 mm

## Technical Specifications

### Power Supply

AC220V / 50Hz

### Dimensions (L x W x H)

600 x 600 x 1300 mm

### Weight

70 kg

## Standards & Compliance

### Supported 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
- YBB00112003
- YBB00102003
- YBB00132002

## Applications

### Test Types

Tensile • Peeling • Deformation • Tearing • Heat Seal • Puncture Force

### Compatible Materials

Plastic Films, Laminated Materials, Flexible Packaging, Adhesives, Adhesive Tapes, Rubber, Non-woven, Paper Fiber