

# Single-Column Material Testing Machine for Metals and Plastics

This single-column material testing machine is used to evaluate physical and mechanical performance. It performs tensile, peeling, compression, bending, and shear tests on materials like metal, plastic, rubber, and textiles.



## Overview

### Versatile Material Testing Solution

This single-column material testing machine is a high-precision instrument designed for comprehensive mechanical performance analysis. It supports a wide array of testing methods including tensile, compression, peeling, bending, and anti-shear tests for metals, plastics, textiles, and cables. Engineered for reliability, the machine features a robust aluminum alloy frame, computer-controlled precision systems, and advanced safety mechanisms suitable for quality control and R&D environments.

## Key Performance Metrics

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**100 kg**

Maximum Load Capacity

**900 mm**

Testing Space

**600 W**

Power Consumption

## Technical Specifications

Testing Speed Range	50 - 500 mm/min
Power Requirements	220V 50Hz, Single-phase
Dimensions (L x W x H)	560mm x 420mm x 1400mm
Machine Weight	100 kg

## System Capabilities

### Compatible Materials

- Metals
- Rubber and Plastic
- Footwear and Leather
- Textiles
- Wires and Cables
- Insulators

Supported Test Types	Tensile, Peeling, Compression, Bending, Anti-shear, Three-point bending
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## Compliance and Safety

### Safety Mechanisms

Mechanical upper limit protection • Mechanical lower limit protection

Certifications	ISO 9001:2000, SGS
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