

Single-Arm Tensile Testing Machine for Material Strength Analysis

This single-arm tensile testing machine is designed to evaluate the physical and mechanical performance of various materials. It is used for testing tensile strength, peeling, compression, bending, and shear properties of materials including metal, rubber, plastic, and textiles.



Overview

Professional Material Testing Solution

This high-precision single-arm tensile testing machine is designed for comprehensive physical and mechanical performance analysis across a wide range of industries, including metals, plastics, rubber, and textiles. Engineered with a robust ball screw and linear guide rail system, it ensures exceptional structural integrity and measurement accuracy for critical quality control tasks. The system integrates seamlessly with computer-based control software to provide detailed reporting and advanced data visualization for professional testing environments.

Performance Metrics

Performance Highlights

100 kg

Max Load Capacity

900 mm

Test Space

600 W

Power Consumption

Technical Specifications

Physical Dimensions & Weight

Attribute	Measurement
Machine Size	560 x 420 x 1400 mm
Machine Weight	100 kg
Testing Speed	50 ~ 500 mm/min
Power Requirements	220V 50Hz (Single-phase)

Certifications

Compliance & Certifications

CE • ISO 9001:2000 • SGS

Capabilities

Supported Testing Modes

- Tensile strength
- Peeling
- Compression
- Bending
- Anti-shear
- Three-point bending