

10KN Universal Testing Machine for Plastics

This universal testing machine offers leading accuracy and reliability for testing plastics. Its high stiffness frame ensures good repeatability and reliable data.



Overview

High-Precision Material Testing

The 10KN Electronic Universal Testing Machine is engineered for unparalleled accuracy and reliability in material characterization. It supports a wide range of mechanical tests including tensile, compression, bending, shear, peeling, and tearing. Designed to meet global standards like GB, ASTM, and ISO, this system provides comprehensive data analysis for industries ranging from polymers and rubber to automotive and aerospace.

Technical Capabilities

Calculated Parameters

- Maximum Test Force
- Tensile Strength
- Bending Strength
- Compressive Strength
- Elastic Modulus
- Elongation at Break
- Yield Strength

Supported Test Methods

Tensile, Compression, Bending, Shear, Peeling, Tearing

Maximum Load Capacity

10 KN

Standards & Compliance

Supported Standards

ASTM • ISO • GB

Applications

Target Industries

- Plastics & Polymers
- Metals
- Automotive
- Aviation
- Rubber & Adhesives
- Biomedicine
- Microelectronics

Safety & Features

Safety Mechanisms

Overload Protection, Emergency Stop