

# 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