

Geotextile Tensile Creep Testing Machine

This machine determines the tensile creep and tensile fracture properties of geotextiles and related products. It features a built-in function to display test curves in real-time.



Product Overview

Precision Geotextile Tensile Creep Testing

This advanced testing machine is engineered to determine the tensile creep and fracture properties of geotextiles and related materials. Featuring a real-time display for test curves and high-precision data acquisition, it ensures reliable analysis for research and quality control applications. The system includes automated functions for load testing, breakage detection, and comprehensive data reporting.

Technical Specifications

Maximum Load

180 KN

Maximum Load Capacity

Precision Metrics

Metric	Value/Limit
Load Accuracy	$d \pm 1\%$
Displacement Measurement Accuracy	0.03mm
Time Measurement Error	$d \pm 1\%$

Operational Dimensions

- Effective creep space: 900mm
- Effective test width: 350mm
- Clamp width: 50mm and 200mm options

Compliance and Standards

Industry Standards

ISO 13431-1999, GB / T 17637-1998

Operational Features

Core Capabilities

- Real-time test curve visualization and analysis
- Automated break detection and shutdown
- High-precision A/D converter
- Flexible control interface for custom curve generation
- Integrated safety protection mechanisms