

Micro-computer Controlled Spring Tension and Compression Tester

This tester is designed for intensity testing, mechanical performance analysis, and process capacity analysis of various springs. It utilizes micro-computer control for carrying out tension and compression tests.



ADDITIONAL IMAGES



Overview

Professional Spring Testing Solution

The TLW Series is a micro-computer controlled testing machine engineered for the precise analysis of spring intensity, mechanical performance, and process capacity. Featuring automated data collection and advanced software modules, it allows for stiffness curve plotting and comprehensive statistical analysis. Designed for reliability, the system includes robust overload protection and high-precision servo drive control to ensure accurate measurements across a wide range of spring types.

Technical Specifications

Core Performance Metrics

0.01 mm

Min. Displacement Reading

600 mm

Max. Stroke

100 mm

Compression Plate Diameter

150 kg

Net Weight

Model Capacity and Speed

Model	Max Load (kN)	Speed (mm/min)
TLS-W5	5	0.05-500
TLS-W10	10	0.05-500
TLS-W20	20	0.05-500
TLS-W50	50	0.05-300
TLS-W100	100	0.05-300
TLS-W200	200	0.05-200

Key Features

System Capabilities

- Automatic data collection for spring stress analysis
- Stiffness curve and normal distribution plotting
- Real-time result retrieval and storage
- Advanced overload protection system
- CNC motor or AC servo speed control

Operational Details

Power Requirements

380V±10% 50Hz