

Wood Panel Scratch Resistance Tester

This instrument evaluates scratch, shear, and planing properties of rigid materials, including coatings and plastics. It features adjustable parameters and reciprocating motion to simulate real-world wear.



Product Overview

Professional Scratch Resistance Testing

This high-precision instrument is engineered to evaluate the scratch, shear, planing, and engraving properties of a wide variety of rigid organic materials, coatings, and plastics. Designed for laboratory and quality control environments, it ensures accurate measurement through constant-speed rotation and adjustable loading mechanisms. The device is versatile enough to support both circular and square specimens, providing essential data for material performance validation.

Technical Specifications

Rotation Speed

5 r/min

Rotation Speed

Maximum Test Pressure	5 N
Adjustable Load Range	1000 g
Max Specimen Size (Diameter)	100 mm
Test Force Accuracy	± 2%

Compliance and Standards

Supported Series

- Federal Series
- Terrazzo 90322-9E-1
- UNI 9428 Furniture
- AS/NZS AS2924.2
- CEN Series

International Standards	GB/T17657-1999, ISO 4586-2, JIS K6902, ASTM C217, DIN 53 799, DIN 68 861-4
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