

Coating Scratch Resistance Tester

This tester evaluates shear, scratch, planing, and engraving properties of coatings, adhesives, and organic materials. It is suitable for soft metals, plastics, anodized materials, and glass.



Overview

Precision Scratch Resistance Testing

This professional-grade scratch tester is engineered to evaluate the shear, scratch, and engraving properties of a wide variety of rigid organic materials, coatings, and soft metals. Designed for consistent and repeatable results, the instrument features adjustable load settings and a stable turntable mechanism. It is an essential tool for quality control in manufacturing and research environments, ensuring materials meet rigorous international durability standards.

Technical Specifications

Maximum Test Pressure	5 N
Specimen Rotation Speed	5 r/min
Test Force Accuracy	2 %
Maximum Specimen Diameter	100 mm
Load Adjustment Range	1000 g

Standards Compliance

International Standards	GB/T 17657-1999, ISO 4586-2, JIS K6902, ASTM C217, DIN 53 799, DIN 68 861-4, UNI 9428
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Features

Core Capabilities

- Adjustable scale height for varying sample thicknesses
- Compatible with tungsten carbide or conical drill cutting tools
- Supports both square and round material testing
- Flexible sample thickness capacity (1/2" to 4")
- Compatible with optical magnification for detailed inspection

Key Performance Metrics

5 r/min Rotation Speed	1000 g Max Load	5 N Max Pressure
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