Coating Scratch Resistance Tester

The coating scratch resistance tester evaluates shear, scratches, planing, and engraving properties. It is suitable for testing rigid organic materials, coatings, adhesives, and more.

Overview

Precision Scratch Resistance Testing

This coating scratch resistance tester is engineered to evaluate the durability of rigid organic materials, coatings, adhesives, and soft metals. It utilizes a precision cutting tool system with adjustable loads to determine shear, scratching, and engraving properties. Designed for compliance with international testing standards, it offers a reliable solution for quality control in material science and manufacturing.

Technical Specifications

Maximum Test Pressure	5 N
Specimen Rotation Speed	5 r/min
Test Force Accuracy	± 2%
Maximum Specimen Diameter	¦90 ~ ¦100mm
Load Adjustment Range	0 - 1000g

Compliance & Standards

Supported Standards	GB / T17657-1999, ISO 4586-2, JIS K6902, ASTM C217, DIN 53 799, DIN 68 861-4, UNI 9428, AS/NZS 2924.2

Features

Compatible Materials

- Rigid organic materials
- Coating adhesives
- Powder coatings
- Anodizing materials
- Soft metals
- Plastics
- Glass

Cutting Tool Options

Tungsten Carbide • Conical Drill