

Taber Abrasion and Wear Tester

The Taber abrasion and wear tester evaluates the transparency of materials and coatings on surfaces like glass and lenses. It is also suitable for assessing the abrasion resistance of materials such as organic coatings, plastics, and metals.



Overview

Advanced Abrasion Testing Capability

The Taber oscillation and abrasion testing machine is an essential instrument for evaluating the durability and wear resistance of transparent materials, organic coatings, plastics, and metals. By utilizing a sand oscillator mechanism, it simulates real-world environmental wear and tear to provide accurate material performance data. This system is highly versatile, allowing users to customize stroke length, speed, and abrasive media types to meet specific quality control and research requirements.

Performance Specifications

Reciprocating Stroke Length

0.25 inches

Minimum Stroke

6 inches

Maximum Stroke

Oscillation Speed

100 rpm

Min Speed

200 rpm

Max Speed

Test Configuration

Sample Preparation Requirements

- Fixed in bottom fixture
- Surface exposure height limited to 1mm maximum
- Media applied in uniform depth across sand table

Compatible Abrasive Media

Quartz Sand, Alumina, Emery, Glass Beads

Certifications

Quality Compliance

CE • ISO 9001:2000 • SGS Certified