

Random Tumble Pilling Tester

The Random Tumble Pilling Tester assesses pilling and fuzzing on textile fabrics. Fabric samples are tumbled in chambers with rotating impellers and compressed air to simulate wear.



Overview

Professional Pilling Assessment

The Random Tumble Pilling Tester is designed to determine the pilling and fuzzing characteristics of textile fabrics by simulating real-world wear and tear. It features individually lit chambers with rotating stainless steel impellers and precise air injection systems to ensure consistent testing conditions. With programmable timers, audible alerts, and standardized chamber dimensions, this unit provides highly repeatable results for durability and appearance retention analysis.

Performance Specifications

Rotating Speed

1200 r/min

Rotation Speed

Compressed Air Range

0.014-0.021 MPa

Hardware Details

Number of Test Chambers

4

Drum Dimensions

146 x 152 mm

Cork Liner Dimensions

452 x 146 x 1.5 mm

Compliance & Standards

Standards Compliance

ASTM D3512, GB/T 4802.4, ISO 12945.3, JIS L1076-D

System Features

Key Components

- Stainless steel impellers
- Digital electronic counter
- Audible test alarm
- Integrated pressure gauge
- Timer control