

Martindale Abrasion and Pilling Testing Machine, 9 Station



Martindale Abrasion and Pilling Testing Machine

The **Martindale Abrasion and Pilling Testing Machine** is designed to test the abrasion resistance and pilling properties of textiles, including outer layers, linings, or underlayers of footwear, as well as similar fabrics. Tests can be performed under both dry and wet conditions as per standardized procedures. Samples are subjected to Lissajous motion for a specified number of cycles, after which the samples are evaluated against their original state to determine their abrasion resistance grade.

Model: MSOH336USWISS

Technical Details

1. Station Number

- 9 stations

2. Control Mode

- Touch screen panel

3. Count Display

- **Estimated Counting:** 0~999,999 cycles
- **Total Counting:** 0~999,999 cycles

4. Maximum Dynamic Range

- 24 ± 0.5 mm
- 60.5 ± 0.5 mm

5. Weight of Pressure Components

- **Gripper:** 200 ± 1 g
- **Cloth Samples Hammer:** 395 ± 2 g
- **Furniture Accessories Sample Hammer:** 594 ± 2 g
- **Stainless Steel Butterfly Piece:** 260 ± 1 g

6. **Effective Friction Diameter of Grinding Block**

- **A Type:** 200 g (1.96 N) friction head, $\phi 28.8 \pm 0.084$ mm
- **B Type:** 155 g (1.52 N) friction head, $\phi 90 \pm 0.10$ mm

7. **Relative Velocity of Gripper and Grinding Station**

- 50 ± 2 r/min

8. **Weight of Pressure Hammer**

- 2385 ± 10 g

9. **Power Supply**

- Single-phase 220 V, 50 Hz

