

# OPTI-PILL

Surface Fuzzing, Snagging & Pilling Tester

# Accurate determination of surface fuzzing, snagging and pilling test methods



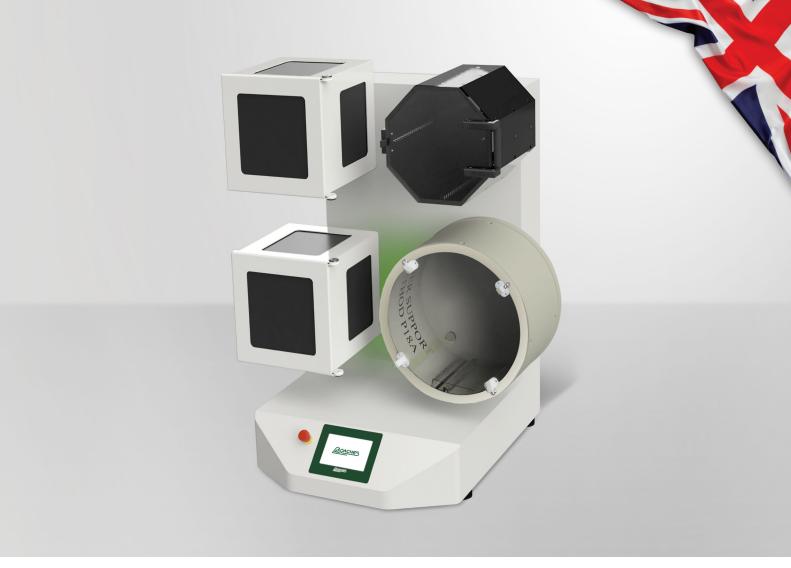
## **FORM**

Unique design with front facing boxes allows for convenient access to load and retrieve samples.

# **FUNCTION**

- Intuitive Roaches touchscreen controller with pre-loaded standards.
- Optional extra interlocked safety cover protects the operator whilst in operation.
- The silent drive produces controlled and smooth operation at 60rpm and 30rpm (Clockwise or Anti-Clockwise).
- Twist and pull attachment for easy removal of the boxes when changing test methods.
- Magnetic liners for the ICI boxes for effortless cork renewal.





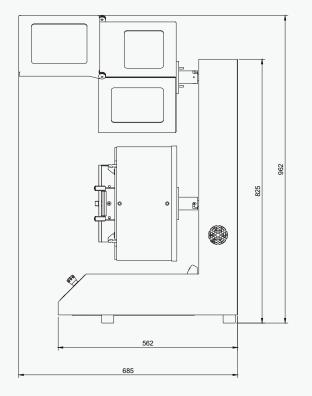


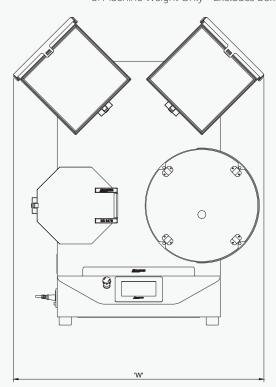


# **DIMENSIONS & WEIGHTS**

| Model | Height (H) | Width (W) <sup>1</sup> | Depth (D) <sup>2</sup> | Weight <sup>3</sup> |
|-------|------------|------------------------|------------------------|---------------------|
| 2 Box | 962 mm     | 482 mm                 | 685 mm                 | 30 kg               |
| 4 Box | 962 mm     | 784 mm                 | 685 mm                 | 37 kg               |

1: Maximum Width with Boxes or Drums Fitted 2: Maximum Depth with Boxes or Drums Fitted 3: Machine Weight Only - Excludes Boxes or Drums





# **SPECIFICATIONS**

| Model | Voltage      | Frequency | Phases  | Amp  | Wattage | Air Supply | Water Supply |
|-------|--------------|-----------|---------|------|---------|------------|--------------|
| 2 Box | 230V or 110V | 50/60Hz   | One (1) | 0.5A | 100W    | N/A        | Not Required |
| 4 Box | 230V or 110V | 50/60Hz   | One (1) | 0.5A | 100W    | N/A        | Not Required |

# **STANDARDS**

### Marks & Spencer

### M&S P18A ○

Random Pilling Drum - To evaluate the potention of a woven or knitted fabric lliq ot

### M&S P18B

Random Pilling Drum (Reverse Action) - To evaluate the potential of knitwear to pill

### M&S P18C

Enhanced Pilling - To evaluate the potential of tightly constructed woven or knitted trouser fabrics. to pill

### M&S P21A

Random Tumble Snagging - To assess the resistance of a fabric to snagging by comparison with the performance of a known sample.

### ISO/BS Standard

### BS 5811

Determination of the resistance to pilling and change of appearance of fabrics

### BS 8479

Octagonal Snagging Drum - Method for determination of the propensity of fabrics to snagging. Rotating chamber method

### ISO 12945-1

Textiles - Determination of fabric propensity to surface fuzzing and to pilling. Pilling box method

### M&S Pilling Drum



### Retail

### Adidas TM 4.08

Octagonal Snagging Drum Method

### Next 19

Pilling Method - Knitwear 100% Synthetics and Synthetic Rich Blends

### Octagonal Snagging Drum



### ICI Pilling Box



### Other Tests

### Woolmark (TWC)

TM 152 Indication of Pilling Propensity

### ICI Test Method 444

For evaluating the pilling resistance and snagging resistance of fabrics using the ICI rotating pilling box

### JIS L1076

Japanese Industrial Standard, for pilling and woven fabrics and knitted fabrics

### CAN/CGSB 4.2 NO. 51.1

Resistance to Pilling, Rotating Box Method

### GB/T 4802.3

Textiles - Determination of fabric propensity to surface fuzzing and to pilling. Part 3: Pilling box method

Roaches machines meet specifications set by leading retailers such as:















# **TEST MATERIALS**

| Order Code | Description   |  |  |
|------------|---|--|--|
| 2000-1015  | ICI Pilling Specimen Tube (BS EN ISO 12945-1) - Each      |  |  |
| 2000-1016  | M&S Pilling Specimen Tube (M&S P18, P21) - Each           |  |  |
| 2000-1017  | BS Pilling Specimen Tube (BS 8479 Octagonal) - Each       |  |  |
| 2000-1018  | ICI Pilling Tester Cork Liners, Adhesive Back - Pack of 6 |  |  |
| 2000-1019  | ICI/M&S Test Sample Template (125mm x 125mm) - Each       |  |  |
| 2000-1020  | PVC Insulating Tape 19mm Wide, White - Each               |  |  |
| 2000-1021  | Double Sided Adhesive Tape (25mm Wide x 33m Roll) - Each  |  |  |
| 2000-1022  | M&S Pilling Tube Locking Ring - Each                      |  |  |
| 2000-1023  | 140mm x 140mm Template for Octagonal Box (BS 8479)        |  |  |
| 5000-0001  | Single Jersey Pilling Photos (Set of 5) BS 5811:1979      |  |  |
| 5000-0002  | Double Jersey Pilling Photos (Set of 5) BS 5811:1979      |  |  |
| 5000-0003  | Woven Pilling Photos (Set of 5) M&S and BS 5811:1979      |  |  |

