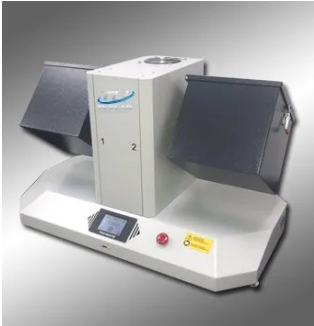


TXL-KMS-006 / 27 October 2026 · One-year manufacturer warranty

ICI Pilling Box Tester

Pilling and snagging under simulated wear. 2-box.



Model technical data

1	Rotation speed: 30 rpm $\pm$ 1 or 60 rpm $\pm$ 1.
2	Number of boxes: 2 (4 optional).
3	Data port: RS-232C.
4	Timer range: 0–9999 minutes.
5	Power supply: 220 V $\pm$ 10%, 50 Hz.

Physical specifications and utilities

Electrical supply	Power supply: 220 V $\pm$ 10%, 50 Hz.
Power / connected load	Approx. 50–200 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 900 × 600 × 650 mm (W × D × H).
Instrument weight	Approx. 35–70 kg net.
Gross / shipping weight	Approx. 63.5–112.5 kg gross; estimated packing allowance.
Interfaces	Data port: RS-232C.
Lab requirements	Level, stable working surface; specimen conditioning follows the selected method.

Dimension order and approximate values are stated in each row. Packaging data are separate from instrument dimensions and net mass. Approx. rows are preliminary engineering estimates based on comparable equipment and function/capacity; they are not verified manufacturing measurements or standard requirements. Installation and shipment are finalised against the approved drawing and nameplate. Estimate scope: base product / one unit; external computer, bench and auxiliary plant excluded.

Specifications, dimensions, and power requirements are approximate and subject to change without prior notice for continuous design improvements.

Product technical specifications and images may vary according to manufacturing conditions and applicable standards.

Test and configuration

Measured output / function	Grade of pilling, fuzzing and surface change
Parameters selected for the method	Box lining, tubes, turns and assessment
Verification points	Box speed, counter and reference photographs

Control and recording specification

Method-specific software and recording requirements follow. Delivered software modules are defined by the order scope.

- Method code and edition, specimen ID, operator and selected test parameters are linked to the record.
- The calculation and endpoint are defined by the selected method edition; instrument signals and operator assessments are kept distinct.
- Raw measurements, units, valid/invalid test flags and the reported result remain traceable.
- Calculations are checked against known inputs and an independent calculation; sensor channels are checked against calibration values.

Related test methods

BS 5811 · ISO 12945-1 · NEXT TM 19

Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.

Historical method references: BS 5811

Test parameters for the reviewed method

The values below were reviewed in selected clauses of the stated source edition. They are not a declaration of equivalence to a later edition or independent instrument verification.

ISO 12945-1 (earlier edition) / 5.1-5.2

1	Internal box edge before lining 235 mm; cork lining 3.2 mm; speed 60 ± 2 r/min.
2	Four polyurethane tubes: length 140 ± 1 mm, outside diameter 31.5 ± 1 mm and mass 52.25 ± 1 g.