

TXL-BOY-012 / 27 October 2026 · One-year manufacturer warranty

Precision Tumble Dryer

TLI-TexLabInstruments Precision Tumble Dryer provides ideal drying conditions for textile dimensional stability and appearance testing. Features bidirectional drum rotation for homogeneous drying. Models equipped with Selecta control and humidity control options. Model options: T4250 (250L, 11kg/cycle), T3190 (190L, 7.5kg/cycle, bidirectional drum), T2130 (130L, 5.5kg/cycle). Compliant with ISO 6330 and AATCC 135.



Model technical data

1	Dedicated drying programs for standard additional programs for normal bulk drying. Stainless steel front & stainless steel drum.
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Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 2500–3500 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 650 × 650 × 900 mm (W × D × H).
Instrument weight	Approx. 45–65 kg net.
Gross / shipping weight	Approx. 74.5–106.2 kg gross; estimated packing allowance.
Lab requirements	Suitable ventilation / process exhaust; external fan and duct loads are excluded from this preliminary estimate.

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	Dimensional change after specified drying (%)
Parameters selected for the method	Drying procedure, load and endpoint
Verification points	Drying temperature and timer

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.
- Dimensional change (%) = $100 \times (\text{final} - \text{initial dimension}) / \text{initial dimension}$; direction and sign convention are stated in the report.
- 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

ISO 6330 · AATCC 135

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

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.

AATCC 135-2004 / 5.8, 6.2, 9

1	Dimensional change includes the option of three 250 mm length and width benchmark pairs on a 380 × 380 mm specimen. Measurement step 0.5% or smaller; change is $100 \times (\text{final} - \text{initial})/\text{initial}$, with shrinkage negative. Match machine type/program separately to the edition.
ISO 6330:2012 / TS EN ISO 6330:2012 / 5.1–5.2, 5.6, 6.1.1	
1	Distinguish washer A horizontal/front-loading, B vertical/agitator and C vertical/pulsator. Match dryer type, ballast and detergent; this edition restricts reference detergent 1 to type B. Record machine type and program edition before assuming method equivalence.