

TXL-BOY-007 / 27 October 2026 · One-year manufacturer warranty

Mini Stenter (Laboratory Dryer)

Dries and fixes fabric samples under tension after dyeing and washing. Temperature 25–250 °C, heating rate 15 °C/min, adjustable air circulation 850–1,700 m³/h; temperature and time programmable on a touch-panel PLC. Maximum sample size 350 × 350 mm; pin and adjustable frame options, automatic sample release at the end of the process.



Model technical data

1	Working temperature: 25–250 °C.
2	Heating capacity: 4,500 W; heating rate 15 °C/min.
3	Air circulation: 850–1,700 m³/h, adjustable.
4	Touch-panel PLC; programmable temperature and time.
5	Interface: RS232.
6	Maximum sample size: 350 × 350 mm; pin and adjustable frame models.
7	The sample is released automatically at the end of the process.

Physical specifications and utilities

Electrical supply	Approx. 380–415 V AC, 50 Hz, three phase; 60 Hz is a separate build option.
Power / connected load	Manufacturer data: heater 4500 W; not the total connected load. Approx. 5000–6500 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 1400 × 800 × 900 mm (W × D × H).
Instrument weight	Approx. 150–220 kg net.
Gross / shipping weight	Approx. 190–300 kg gross; estimated packing allowance.
Interfaces	Interface: RS232.
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	Drying, steaming and heat setting
Parameters selected for the method	Specimen frame, temperature, duration and airflow
Verification points	Temperature distribution in the working area and timing

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

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