

TXL-KMS-014 / 27 October 2026 · One-year manufacturer warranty

Iron Fastness Tester

Colour fastness simulation under ironing at different temperatures. 210 × 210 mm upper and lower heating plates (800 W each), 20–220 °C, 4.3-inch touchscreen, 220 V AC.



Model technical data

1	Heating plates: 210 × 210 mm, upper and lower.
2	Heater power: 800 W each for upper and lower plate.
3	Temperature range: 20–220 °C.
4	Control: 4.3-inch touchscreen.
5	Supply: 220 V AC.

Physical specifications and utilities

Electrical supply	Supply: 220 V AC.
Power / connected load	Heater power: 800 W each for upper and lower plate.
Overall instrument dimensions	Approx. 500 × 350 × 300 mm (W × D × H).
Instrument weight	Approx. 12–25 kg net.
Gross / shipping weight	Approx. 23.2–41.2 kg gross; estimated packing allowance.
Lab requirements	Heat-resistant bench and ventilation; clearance for hot surfaces.

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	Colour change and staining after hot pressing
Parameters selected for the method	Plate temperature, contact time and dry/damp/wet condition
Verification points	Contact temperature, applied pressure and duration

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

ISO 105-X11 · AATCC 133

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.

EN ISO 105-X11:1996 / 4.1 / 6.1.1

1	Contact pressure: 4 ± 1 kPa.
2	Method temperatures: 110 ± 2, 150 ± 2 or 200 ± 2 °C; dry/damp/wet procedures are selected separately.

AATCC 133 (earlier edition) / 5 / 7

1	Pressing time 15 s; pressure 40 ± 10 g/cm²; temperature selection is recorded with the dry, damp or wet procedure.
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