TXL-BOY-017 / 28 October 2026 · One-year manufacturer warranty

Laboratory Coating Knife (RKL 40)

Benchtop laboratory coating knife for film coating of textile and leather samples. Knife-over-roll, between-rolls and in-front-of-roll coating; 300 mm blade, ±30° adjustable blade angle, up to 5 mm coating gap, maximum sample 285 × 340 mm.



Model technical data

1	Maximum sample size: 285 × 340 mm.
2	Blade width: 300 mm; blade angle adjustable ±30°.
3	Over-roll and between-rolls operation: max. 5 mm.
4	Roll diameter: 40 mm (2 pcs).
5	Dimensions: 600 × 640 × 355 mm; weight 32 kg.

Physical specifications and utilities

Electrical supply	Manual / passive base apparatus; no mains supply assumed.
Power / connected load	Approx. 0 W connected load for preliminary planning.
Overall instrument dimensions	Dimensions: 600 × 640 × 355 mm; weight 32 kg.
Instrument weight	Dimensions: 600 × 640 × 355 mm; weight 32 kg.
Gross / shipping weight	Approx. 48.5–78.8 kg gross; estimated packing allowance.
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	Laboratory coating specimen of defined thickness
Parameters selected for the method	Blade gap, coating width, speed and substrate
Verification points	Blade gap, parallelism and travel speed

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.