

Model ST-1210 Smoothness Tester Off-Line Profiling of Micro-deviation For Surface Printability Testing of Paper, Paperboard and Sheet

Full-Featured Automatic Smoothness Tester for Paper

Designed for precise measurement of surface micro-deviation profiles on printed & unprinted paper, liner board, and converted sheet materials. Based on the Emveco stylus method, we are proud to introduce the Model ST-1210 with its unsurpassed accuracy and resolution. Oakland also offers a complete line of instruments for your paper and paperboard quality lab including calipers, tensile testers, friction testers, score-bend testers, roll-hardness testers, and sample cutting & preparation accessories.

The Oakland Advantage

Meets ASME and TAPPI

Meets specifications of ASME B46-1 and TAPPI T-575, Standard Test Methods for Surface Texture (Surface Roughness, Waviness, and Lay).

Advanced Technical Features in Each Model

Easy, Error-Free Operation: Automatic Profiling

The Model ST-1210 provides full automatic profiling capabilities for down-web and cross-web analysis.

Offering Profiling Drive for Samples of Any Length

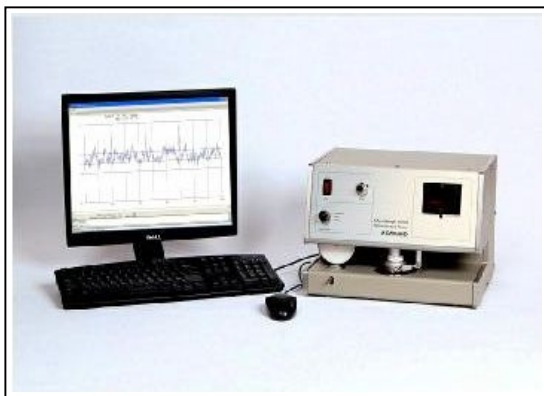
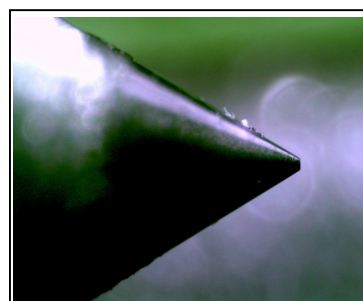
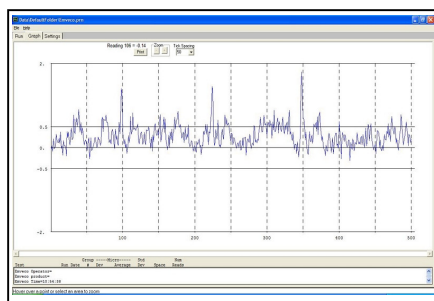
The ST-1210 includes a drive wheel to pull sheet samples for automatic thickness profiling. Samples of any length can be analyzed by independent sections, or as one file.

Multiple Stylus Configurations Available from Oakland

Choose from a 0.00125 inch dia. Flat Tip or a 25 micron Radius Tip to meet your exacting testing requirements. See photo below right.

Expandable; Industry-Leading Software

The Model ST-1210 is a software-driven instrument, with a unique range of automatic and manual features. Software is included with the system, and Oakland can provide computer systems to complete your installation. See photo below left.



The Model ST-1210 Smoothness Tester.

Oakland Instrument Corp.

Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, packaging, and paper industries.

Customer-Driven

We team with our customers to help them solve their quality- and process-control problems.

Technology-Based

Our applications knowledge and engineering depth allow us to offer both standard and custom systems based on industry-leading technology.

Specifications

Mode of operation:	Off-line testing / lab use, Automatic Profiling of Surface Smoothness. Measures Microaverage and Microdeviation as indication of smoothness. Based on Emveco Stylus measurement principal
Materials:	Paper, paperboard, kraft, and cardboard Other sheet materials
Measurement Objective:	Measurement quantifies "printability" of sheet materials
Measurement Range:	20.00 mils (0.020 inch)
Resolution, Stylus:	0.01 mils (0.00001 inch)
Stylus Tip Configuration:	Conical with 0.00125 dia. Flat, or Conical with 25 micron Radius Tip, Consult Factory
Minimum Sample Spacing:	0.0005 inch (0.010 default sample spacing, paper) (0.001 default sample spacing, dynamic calibration)
Number of Samples per Group:	Programmable (500 default samples per group)
Number of Groups per Sample:	Programmable
Drive Speed:	
Test Speed:	Programmable
Default:	500 (0.5 inch sample travel per second)
Jog speed	1000, factory pre-set, between groups
Recommended Sample Size:	8.0 - 10.0 inch wide up to full web width
Maximum Sample Length:	N/A (any length)
Calibration Feeler Stock: (Included with system)	0.007 inch, Certified
Serial Data Communications:	RS-232 for Computer Operation of instrument
Power Requirements:	115 VAC, 60 Hz, 230 VAC, 50 Hz or consult factory
Dimensions (W x D x H, Instrument Only)	14 x 11 x 12 inch (35 x 28 x 25 cm)
Weight (Instrument Only)	38 lb (17 kg)

Ordering Information

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