

Series MT-2500 Tensile Testers

Full-Featured Tensile Testers for Film, Paper, and Sheet Materials

In the past, film extruders, paper producers, converters, and woven/non-woven fabric producers have had the choice of tensile testers and universal test machines which are either value-priced peak-force-only machines, or expensive computer-operated integral load-cell machines. Now you can have the best of both worlds from a single instrument manufacturer. Oakland Instrument offers the Series MT-2500, a simple to use computer operated tester, with Quality Control software for automatic calculation and graphical display of break, elongation, yield, modulus, and other, information.

Improved Film and Paper Quality, Increased Profit Margins

The Series 2500 Tensile Tester is a proven tool for more closely controlling nominal and peak strength and elongation characteristics to speed your: Production and additives settings and adjustments, Research and development of new film and paper products, Inspection of incoming film and paper products, converted materials, wovens/non-wovens, fabrics and textiles. In-process checks to ensure on-spec product for converting operations, and Quality-control reporting.

The Oakland Advantage

Meets ASTM and TAPPI

Meets specifications of ASTM D882 Standard Test Method for Tensile Testing of Plastic Film, and ASTM D638 Standard Test Method for Tensile Testing of Plastic Sheet.

Advanced Technical Features in Each Model

Expandable; Industry-Leading Software

Portable and expandable with optional software, printers and computer system. A computer is required for operation. Windows™ W7/W10 Pro/W10 Enterprise-based advanced software for display/hard-copy reporting of statistical and graphical analysis of tensile data including tensile (break) strength, yield, elongation, modulus, tensile energy to break, and friction values.

User-friendly, Rugged, Affordable

Best of all, the series 2500 is economically priced, yet rugged enough for plant-floor use.

Advanced Engineering & Technology

- * Tension & Compression Testing to 1000 lb (5.0 kN)
- * Full Tensile, Yield, and Stress/Strain Testing
- * Servo Drive w/ Position Feedback and Interchangeable Load Cells
 - * Broad Speed Range and Speed Turn-Down for Full Range of Testing Requirements, 0.1 - 20 ipm
- * Uses Encoder Feedback for Elongation Computation
- * Computer Controlled with Model MT-2500 Software for Full Range of Testing and Graphical & Statistical Display



The Model MT-2533 Tensile Tester with standard 100 psi Pneumatic Sample Grips and Model MT-2500 Quality Control Software

Oakland Instrument Corp.

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

	<u>Model MT-2545</u>	<u>Model MT-2533</u>	<u>Model MT-2521</u>
Mode of operation:	Off-line testing / lab use Digital force measurement	Off-line testing / lab use Digital force measurement	Off-line testing / lab use Digital force measurement
Materials:	All sheet materials	All sheet materials	All sheet materials
Frame Capacity, Maximum:	250lb (1125N, 1.125kN)	500lb (2250N, 2.25kN)	1000lb (4500N, 4.5kN)
Measurement Range:	0 - 50 lb, 0 - 100 lb, 0 - 150 lb, 0 - 250 lb other ranges available	0 - 50 lb, 0 - 100 lb, 0 - 150 lb, 0 - 250 lb, 0 - 500 lb other ranges available	0 - 50 lb, 0 - 100 lb, 0 - 150 lb 0 - 250 lb, 0 - 500 lb, 0 - 1000 lb other ranges available
Measurement Units:	English, Metric & SI	English, Metric & SI	English, Metric & SI
Force Accuracy:	+/- 0.02% Full Scale	+/- 0.02% Full Scale	+/- 0.02% Full Scale
Force Resolution:	0.01 lb / 0.001 lb.	0.01 lb / 0.001 lb.	0.01 lb / 0.001 lb.
Crosshead Travel:	45.2 inches	33.5 inches	21.5 inches
Test Travel:	38.2 inches	26.5 inches	14.5 inches
Extension Resolution:	+/- 0.001 inch	+/- 0.001 inch	+/- 0.001 inch
Test Direction:	Tension & Compression	Tension & Compression	Tension & Compression
Test Speed Range:	0.1 - 20.0 ipm	0.1 - 20.0 ipm	0.1 - 20.0 ipm
Jog & Return Speed Range:	1 - 20 ipm	1 - 20 ipm	1 - 20 ipm
Speed Accuracy	+/- 0.01 ipm	+/- 0.01 ipm	+/- 0.01 ipm
Calibration Certificate:	Included	Included	Included
Power Requirements:	115 VAC, 60 Hz, 230 VAC, 60 Hz, 230 VAC, 50 Hz or consult factory for special requirements		
Overall Height:	65 inch	53 inch	41 inch
Base Dimensions:	18" W x 17" D	18" W x 17" D	18" W x 17" D
Weight (less Fixtures/Grips):	129 lb	109 lb	89 lb
Sample Rate:	50 / sec.	50 / sec.	50 / sec.
Serial Data Communications:	RS-232, 9-Pin D-Sub(2)	RS-232, 9-Pin D-Sub(2)	RS-232, 9-Pin D-Sub(2)

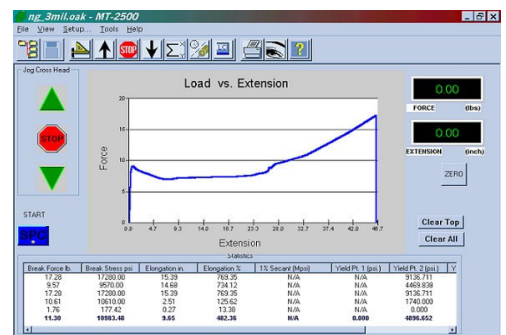
(Due to continuous product improvement, all specifications are subject to change without notice.)

Options and Accessories

Computer system and Model MT-2500 Quality Control Software for statistical and graphical analysis of force data, required to operate.

Options for COF Testing, Peel, Seal Strength Testing, Blocking Testing, Pneumatic, Mechanical Grips and Accessories.

Standard or Custom Systems to meet specific needs.



Ordering Information

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