

# Series SR-1500 Digital Precision Universal Testers

## Full-Featured Digital Force Test Stands / Universal 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 test stands 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 in a single instrument. Oakland Instrument offers the Series SR-1500, a simple to use console or computer operated tester, with Quality Control software for automatic calculation and graphical display of break, elongation, yield, modulus, and other tension and compression force information.

### Improved Film & Paper Quality, Increased Profit Margins

The Series SR-1500 Digital Universal Tester is a proven tool for more closely controlling nominal and peak strength and elongation characteristics to speed your: Research and development of new film and paper products, converted materials, wovens/non-wovens, fabrics and textiles. Inspection of incoming film and paper products, 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 D3354 for Blocking Testing of Plastic Film and Sheet, and other standards.

#### **Advanced Technical Features in Each Model**

##### Expandable; Industry-Leading Software

Portable and expandable with optional software, printers and computer systems. A computer is not required for operation. Add advanced software for display/hard-copy reporting of statistical and graphical analysis of data.

##### User-friendly, Rugged, Affordable

Best of all, the series SR-1500 is economically priced, yet rugged enough for plant-floor use.

##### Unique, Modular Design

Test Stand can be set up with Load Cell mounted on the front of the column for easy access for strip testing, or with Load Cell mounted to the right of the column for access to the large working table area for testing.

##### Advanced Engineering & Technology

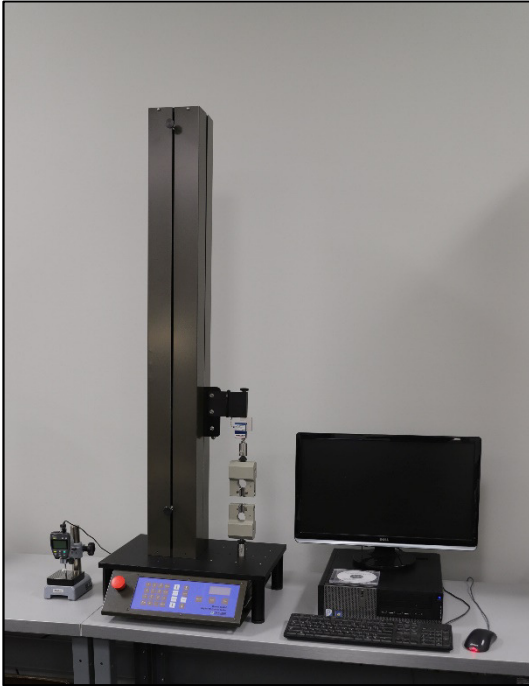
- \* Tension & Compression Testing to 750 lb (3.5 kN)
- \* Crosshead Travels up to 40 inches (1000 mm)
- \* Peak Force, Average Force, and Stress/Strain Testing
- \* Servo Motor Drive and Integral S-Type Load Cells
- \* Broad Speed Range and Speed Turn-Down for full range of testing requirements:

0.1 - 20 ipm (1 - 500 mm/min) Standard Speed Range

0.4 - 40 ipm (10 - 1000 mm/min) Available, Specify when Ordering

1.0 - 80 ipm (20 - 2000 mm/min) Available, Specify when Ordering

- \* Computer controlled with Model MT-2500 Software for Full Range of Testing, and Graphical & Statistical Display



*The Model SR-1540 Digital Universal Tester with 50 lb (250 N) Integral Load Cell, Standard 100 psi Pneumatic Sample Grips, and 80 ipm High Speed Option. Shown with Load Cell mounted to Right of Column for Working Table Testing, Optional Computer and Benchtop Thickness Indicator & Stand*

#### **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 non-wovens industries.

#### **Customer-Driven**

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

#### **Technology-Based**

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

## Specifications

## Model SR-1540

Mode of operation:	Off-line testing/lab use Digital Force measurement	
Frame Capacity:	750 lb (3.5 kN)	(0.75 Guide Rods)
Throat Depth (Derated Capacity):	2.0 - 5.0 inch, adj.	1. (2.0 in to 500 lb) 2. (3.5 in to 250 lb) 3. (5.0 in to 150 lb)
Load Cell	1. Right hand over Work Table	2. Front Mounted (Factory Preset)
Materials:	All Sheet Materials	
Measurement Range:	0 - 2.2 lb (10 N / 1000 g) 0 - 50 lb (250 N) 0 - 100 lb (500 N) 0 - 150 lb (750 N)	
Measurement Accuracy:	+/- 0.02% Full Scale	
Measurement Resolution:	0.01 lb / 0.001 lb. (Depending on range)	
Test Speed Range: (Tension / Base Model)	0.1 - 20 ipm (1 - 500 mm / min)	
High Speed Options (2): Speed Ranges: (Derated Capacity)	1. 0.4 - 40 ipm, (10 - 1000 mm / min)  1. (250 lb) (with GB 5:1 / 1:1 (M12T:B12T))	2. 1.0 - 80 ipm, (20 - 2000 mm / min)  2. (100 lb) (with GB 4:1 / 1.5:1 (M18T:B12T))
Jog Speed Range (Base + High Speed Models)	1 - 20 ipm (10 - 500 mm / min)	
Speed Accuracy:	+/- 0.01 ipm	
Crosshead Travel:	46.0 inches	
Test Travel:	40.0 inches	
Return Speed: (Compression)	Jog Speed	
Power Requirements:	115 VAC, 60 Hz, 230 VAC, 50 Hz, or consult factory for special requirements	
Overall Height / Wt:	58 inch / 90 lb.	
USB / Serial Data Communications:	USB (Main Control), RS-232, 9-pin D-Sub (2)	

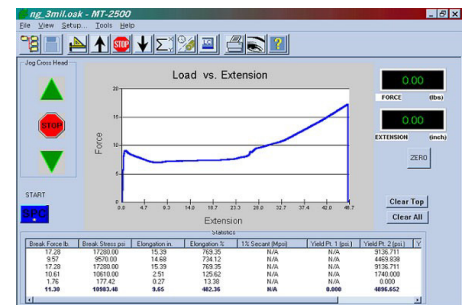
*(Due to continuous product improvement, all specifications are subject to change without notice.)*

## Options and Accessories

Computer system and Model MT-2500 Quality Control Software for statistical and graphical analysis of force data, optional, provided by Oakland.

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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