



Model MT-1516 Score Bend Tester with Pneumatic Sample Grips installed. Controlled with MT-2500 Score Bend software.

and Instrument Corp.

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

Model MT-1516 Score Bend Fixture

Full-Featured Score Bend Tester for Paper, Paperboard and Sheet Materials

In the past, paper producers and converters, 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-1500, a simple to use computer driven tester, with Quality Control software for automatic data collection and graphical display of bend force information.

Improved Cardboard and Paper Quality, Increased Profit Margins

The Series 1500 Force Test Stand is a proven tool for more closely controlling nominal and peak strength characteristics to speed your: Production settings and adjustments, Research and development of new paper products, Inspection of incoming paper products, converted materials. In-process checks to ensure on-spec product for converting operations, and Quality-control reporting

The Oakland Advantage

Conforms to TAPPI Standards

Conforms to TAPPI T-829 Standard Test Method for Score Quality and TAPPI T-577 Standard Test Method for Score Bend Strength.

Advanced Technical Features in Each Model

Designed for dedicated Score Bend applications but will also support our opening force fixture OPEN FORCE FIX for smaller size containers and uses the standard travel MT-1516 test stand.

The score bend fixture features precision machined components with adjustments and combined with state of the art electronic angle sensor interfaced with the MT-1516 Universal tester. Programmed overload protection helps protect the load sensor for accidental overloads during test or setup.

The Score Bend Tester is flexible and can be run at different speeds with results displayed in most standard force units. To maintain test integrity password protected is provided so changes can only be made by authorized individuals. Hand switch operated air clamping system is standard and for areas without an air source, a manual closing system is also available. A mounted protractor provides visual indication of angle.

A RS-232 data port is standard and will interface with most data collection systems. Optional RS-232 to USB adaptors are available to interface into almost any computer. Operated with Oakland's leading Model MT-2500 Quality Control software that operates with Windows™.

Specifications

Model MT-1516 Score Bend Tester

Mode of operation:	Software driven benchtop tester Hand operated air switch * Foot switch option * Manual closing option
Speed:	
Standard	330 mmpm (13 ipm)
Programmable Range	12.5 – 330 mmpm (0.50 – 13 ipm)
Optional Extended Speed:	0.5 – 1145 mmpm (0.02 – 45 ipm)
Force measuring accuracy:	± 0.1% of full scale
Test Stand Travel Distance:	
Standard	290 mm (11.5 in)
Extended	460 mm (18.0 in)
Load Cell Capacity:	
Standard:	5000 gram (49 N, 11 lb, 175 oz)
Option	2500 gram (25 N, 5.5 lb, 88 oz)
Option	10,000 gram (98 N, 22 lb, 350 oz)
	Over load protection for load cell
Selectable units:	g, kg, N, lb, and oz
Sampling rate:	up to 7000 Hz
Data Filtering:	Selectable for high vibration locations
Memory:	PC hard drive dependent
Sample Width Size:	
Standard	up to 150 mm (6 in)
Option	up to 300 mm (12 in)
Password Protect:	Settings can be locked with password
Serial Data Communications:	RS-232 electronic data output 9 pin D sub or USB adapter On cable required to operate load cell Once cable required to operate
crosshead motor	
Software Options:	Model MT-2500 Quality Control software included
TAPPI Standards:	Conforms to TAPPI T-577 and TAPPI T-829

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

Options and Accessories

- Model MT-2500 Quality Control Software for statistical and graphical analysis of Score Bend data is included.
- Fixtures for COF, peel strength, seal strength and blocking. Refer to Pneumatic and Mechanical Grips brochure for details.
- Systems are available to meet custom specifications.

Ordering Information



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