

ADVANCED

TESTING TECHNOLOGIES

MT-1500 Universal Tensile Testing Machine

ASTM D882, ASTM D3354

www.WorlDofTest.com/motorized-force-test-system-mt-series

Applications:

The series MT-1500 is a simple to use 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.

The MT-1500 Series Precision Force Test Stand is a proven tool for more closely controlling nominal and peak strength and elongation characteristics to speed

- 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 & Quality-control

Applications:

Meets ASTM D882 Standard Test Method for Tensile Testing of Plastic Film, and ASTM D3354 for Blocking Testing of Plastic Film and Sheet.

Easy, Error-free Operation-Two Modes of Operation: Operate as a stand-alone, manual system or operate in Digital/Software mode using MT-1500 Force Test Software to automatically calculate force values.

Expandable: Industry-Leading Software: Portable and expandable with optional software, printers and computer system. A computer is required for operation. Advanced software for display/hard-copy reporting of statistical and graphical analysis of data including yield, elongation, break strength, modulus, and friction values.



Process Mode

Order #

Test Target

No. Samples Width

Gram Weight

Operator Information

Line Shift

Operator Date



Toll-Free: 1.877.884.TEST (8378) | Fax: 954.697.8211



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Affordable: Best of all, the MT-1500 Series is economically priced.

Unique, Modular Design: Test Stand can be set up with Force Gauge mounted on the front of the column for easy access for strip testing, or with Force Gauge mounted to the right of the column for access to the large working table area for testing.

- Tension & Compression Testing to 550 lb (2.5 kN)
- Crosshead Travels up to 58 inches (1470 mm)
- Peak Force, Average Force, and Stress/Strain Testing
- Servo Drive and Integral Load Cells
- Broad Speed Range for full range of testing requirements, 0.1 - 40 ipm (0.25 - 100 cm/min)
- Uses Encoder Feedback for elongation computation
- Computer controlled with Model MT-2500 Software for Full Range of Testing, and Graphical & Statistical Display

Technical Parameter

Models	Model MT-1516	Model MT-1522	Model MT-1522	Model MT-1528	Model MT-1552
	Off-line testing/lab use	Off-Line testing/lab use	Off-Line testing/lab use	Off-line testing/lab use	Off-line testing/lab use
	Digital force measurement	Digital force measurement	Digital force measurement	Digital force measurement	Digital force measurement
Capacity	550 lb (2.5kN)	550 lb (2.5kN)	550 lb (2.5kN)	220 lb (1.0kN)	220 lb (1.0kN)
Throat Depth	2.0 - 5.0 inch, adj.	2.0 - 5.0 Inch, adj.	2.0 - 5.0 Inch, adj.	2.0 - 5.0 inch, adj.	2.0 - 5.0 inch, adj.
Load Cell	1. Front Mounted	1. Front Mounted	1. Front Mounted	1. Front Mounted	1. Front Mounted
Mounting Options	2. Right Hand over Work Table (Factory pre-set)	2. Right Hand over Work Table (Factory pre-set)	2. Right Hand over Work Table (Factory pre-set)	2. Right Hand over Work Table (Factory pre-set)	2. Right Hand over Work Table (Factory pre-set)
Materials	All Sheet Materials	All Sheet Materials	All Sheet Materials	All Sheet Materials	All Sheet Materials
Measurement	0 - 2.2 lb (10 N/ 1000 g)	0 - 2.2 lb (10 N/ 1000 g)	0 - 2.2 lb (10 N/ 1000 g)	0 - 2.2 lb (10 N/ 1000 g)	0 - 2.2 lb (10 N/ 1000 g)
Range	0 - 10 lb (50 N/ 4500 g) 0 - 50 lb (200 N) 0 - 100 lb (500 N) 0 - 150 lb (700 N) 0 - 250 lb (1000 N) (Other ranges avail.)	0 - 10 lb (50 N/ 4500 g) 0 - 50 lb (200 N) 0 - 100 lb (500 N) 0 - 150 lb (700 N) 0 - 250 lb (1000 N) (Other ranges avail.)	0 - 10 lb (50 N/ 4500 g) 0 - 50 lb (200 N) 0 - 100 lb (500 N) 0 - 150 lb (700 N) 0 - 250 lb (1000 N) (Other ranges avail.)	0 - 10 lb (50 N/ 4500 g) 0 - 50 lb (200 N) 0 - 100 lb (500 N) 0 - 150 lb (700 N) (Other ranges avail.)	0 - 10 lb (50 N/ 4500 g) 0 - 50 lb (200 N) 0 - 100 lb (500 N) 0 - 150 lb (700 N) (Other ranges avail.)
Measurement Accuracy	+/- 0.02% Full Scale	+/- 0.02% Full Scale	+/- 0.02% Full Scale	+/- 0.02% Full Scale	+/- 0.02% Full Scale
Measurement	0.01 lb / 0.001 lb.	0.01 lb / 0.001 lb	0.01 lb / 0.001 lb	0.01 lb / 0.001 lb.	0.01 lb / 0.001 lb.
Resolution	Depending on range	Depending on range	Depending on range	Depending on range	Depending on range
Speed Range	0.1 - 40 ipm	0.1 - 40 ipm	0.1 - 40 ipm	0.1 - 40 ipm	0.1 - 40 ipm
Speed Accuracy	+/- 0.01 ipm	+/- 0.01 ipm	+/- 0.01 ipm	+/- 0.01 ipm	+/- 0.01 ipm
Crosshead Travel	22.0 inches	28.0 inches	28.0 inches	34.0 inches	58.0 inches
Test Travel	16.0 inches	22.0 inches	22.0 inches	28.0 inches	52.0 inches
Return Speeds	Maximum/Jog Speed	Maximum/Jog Speed	Maximum/Jog Speed	Maximum/Jog Speed	Maximum/Jog Speed



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