

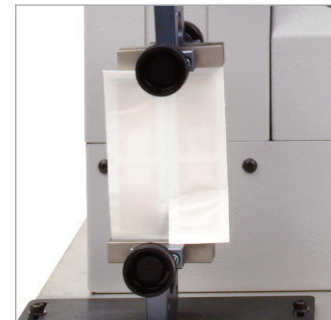
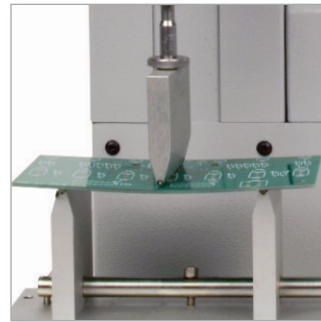
Mecmesin

testing to perfection

M500E

Digital Motorised Test Stand

Tension and Compression Test Solutions



M500E Focus

The M500E provides an affordable solution for tensile and compression testing up to 500 N. Compact and easy-to-use, it ensures controlled test conditions are maintained.

Unlike manually-driven systems, consistent test speeds provided by a motorised test stand guarantee reliable repeatability of testing. Combined with the accuracy of Mecmesin digital force gauges, the M500E is a practical choice for basic tensile and compression tests. Choose your Mecmesin gauge with capacities ranging from 2.5 N to 500 N.

Key Features

- Robust bench-top machine
- Rated to 500 N in tension and compression
- Simple controls, easy-to-use
- Clear digital display
- Single or continuous cycle operation - run to load limit or sample break

For use with:

- Mecmesin digital force gauge
- Extensive range of grips and accessories
- Optional bellows to protect against ingress
- Emperor™ Lite data acquisition and analysis software to plot force vs displacement graphs

Applications

The design and versatility of the M500E motorised test stand makes it suitable for a wide range of applications of which these are just a few examples.

Electrical



Wire crimp terminal pull-off test

Automotive



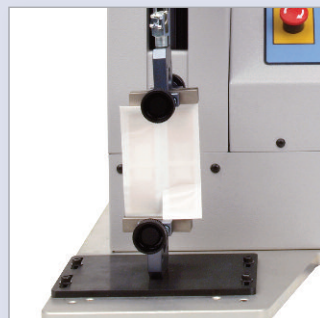
Automotive switch compression test

Textiles



Button pull-off test

Medical



Medical packaging tear test

Cosmetics



Closure seal test

Engineering



Flexure/bend test of a printed circuit board

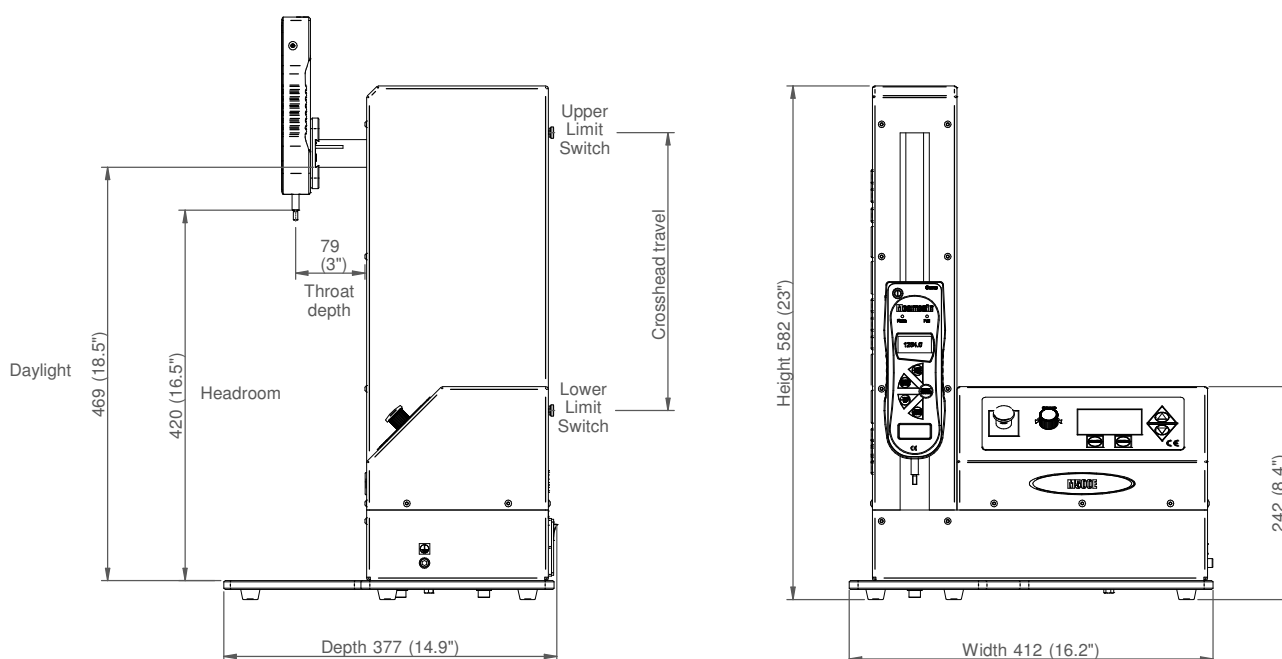
Specifications

M500E		
Rated capacity	N	500
	kgf	51
	lbf	112
SPEED		
Speed range	mm/min	1 - 400
	in/min	0.04 - 15.7
Speed resolution		1.0 mm/min (0.04 in/min)
Crosshead speed accuracy		±0.1% of indicated speed
DIMENSIONS		
Throat depth*		79 mm (3.1")
Vertical daylight		469 mm (18.5")
Height		584 mm (23")
Width		412 mm (16.2")
Depth		377 mm (14.8")
Weight		20 kg (44 lbs)
Maximum power requirements		250 watts
Voltage		230 V AC 50 Hz / 110 V AC 60 Hz
DISPLACEMENT		
Crosshead travel**		300 mm (11.8")
Maximum headroom**		420 mm (16.5")
Displacement resolution		0.01 mm (0.0004")
LOAD MEASUREMENT OPTIONS		
Force gauge accuracy		up to ±0.1% (depending upon model selected)

* measured to centre line of the force gauge

** measured with a force gauge and short extension rod fitted

Dimensions - mm (inches)



Mecmesin reserves the right to alter equipment specifications without prior notice. E&OE

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Mecmesin - a world leader in affordable force and torque testing solutions

Since 1977, Mecmesin has assisted thousands of companies achieve enhanced quality control in design and production. The Mecmesin brand represents excellence in accuracy, build, service, and value. In production centres and research labs worldwide, designers, engineers, operators, and quality managers endorse Mecmesin force and torque testing systems for their high performance across countless applications.

www.mecmesin.com



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The Mecmesin global distribution network guarantees your testing solution is rapidly delivered and efficiently serviced, wherever you are.



FS 58553

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