

Mecmesin

# Manual Test Stands



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When fitted with Digital Force Gauges, Manual Test Stands afford a high degree of precision to allow accurate positioning of the crosshead for applications which require measuring force at a specific distance.

They are also commonly used in simple pull-off tests where quick comparative checks are required and budgets are restricted.

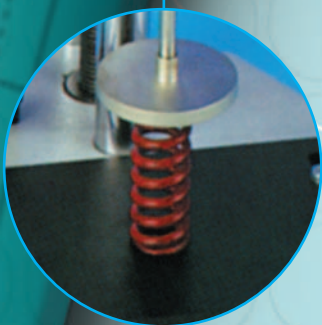
A valuable option available for Mecmesin Manual Test Stands are digital height scales which will give a visual indication of the crosshead deflection in either inches or millimetres.

## LCP/S

The LCP/S high precision lever-operated test stand has been designed to facilitate testing on a repetitive basis. Accuracy is achieved by adjusting the setting of the gauge and baseplate to ensure perfect fixture alignment.

LCP/S stands are supplied complete with an adjustable stop and a fine adjustment thimble, which ensure that the moving crosshead stops at the same pre-set position during each test.

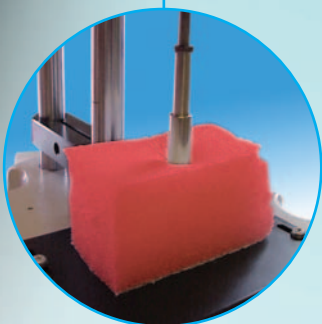
These stands are supplied with a single gear ratio which allows you to carry out compression and tension tests by pulling or pushing the lever. Compression tests are usually carried out with the gauge mounted on the moving crosshead and are actioned by pulling the lever downwards. This downward movement is an attractive feature when carrying out tensile tests. The gauge in this instance will be mounted to the fixed crosshead, and with the aid of an optional tension block module, the accessory holding the sample can be secured to the moving crosshead.



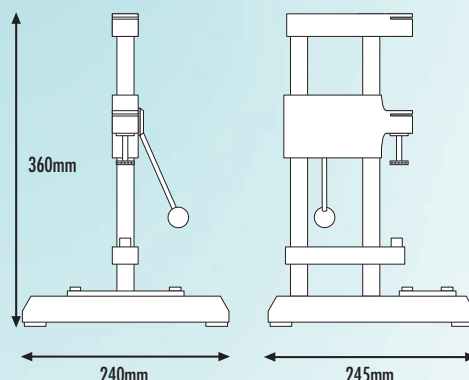
Spring test



Pull test



Compression test



MODEL	LCP/S
Effective travel without gauges and accessories	170mm
Linear travel per revolution	47mm
Maximum load	500N, 110lbf, 50kgf
Maximum movement of fine adjusters	8mm
Maximum movement of adjustable stop	152mm
Weight	4.5kg
Maximum load using extended dovetail bracket	200N, 44lbf, 20kgf

# MDD

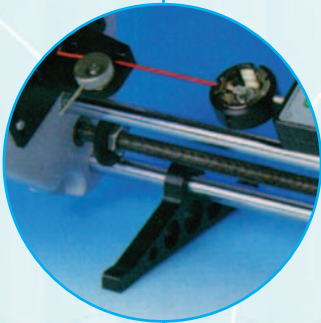
The MDD is a rigid, manually-operated test stand that allows the user to build up a cost effective solution to a variety of tension and compression applications.

Operation is via a hand-wheel giving good positional control of the crosshead together with a lockable thumbwheel for fine adjustment.

The MDD is fitted with a standard dovetail bracket for easy interchangeability between appropriate Mecmesin force gauges. Options include a digital height scale and mounting feet for horizontal operation.



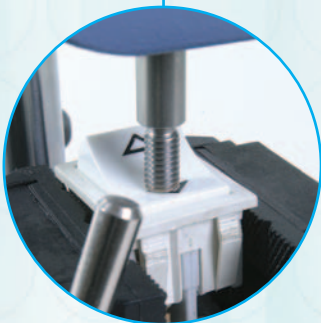
Stand shown with digital height scale and Basic Force Gauge (not supplied)



Crimp test



Ripeness test

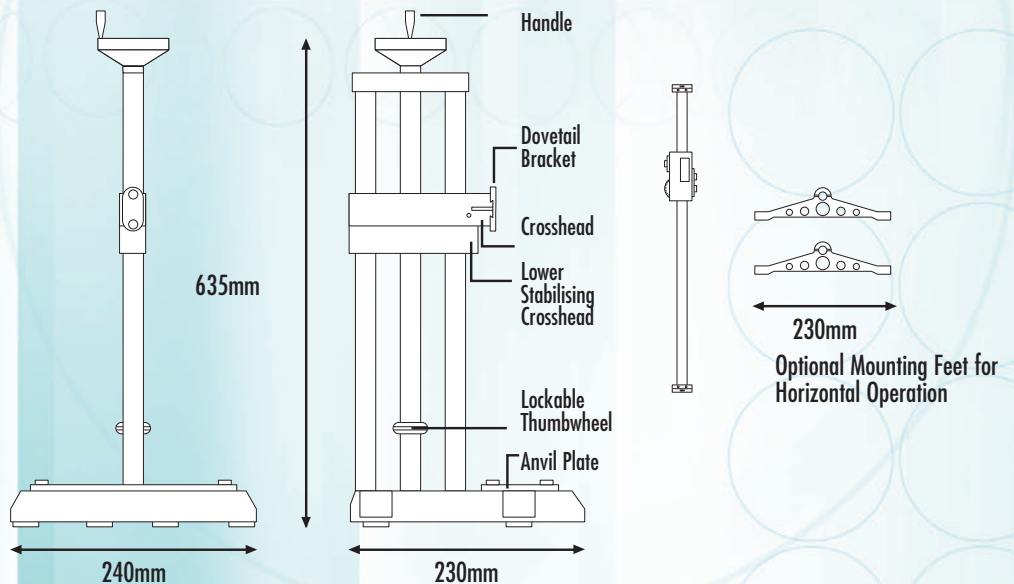


Switch test



Tear test

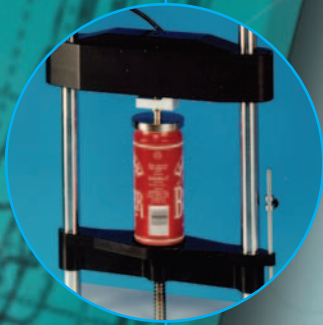
MODEL	MDD - MANUAL DIRECT DRIVE TEST STAND
Crosshead travel (both directions):	2mm per hand wheel revolution
Effective crosshead travel:	370mm with AFG force gauge but without accessories and height scale (400mm with BFG) 350mm with AFG/BFG force gauges and height scale but without accessories
Maximum load:	1000N/220lbf/100kgf
Weight:	6kg
<b>Available options</b>	
Height scale:	0.01 mm (0.0005in) resolution
Mounting feet:	For horizontal operation (optional)



# MWD

The Manual Test Stand type MWD is rated to 10,000N/1000kgf/2200lbf working capacity in both tension and compression.

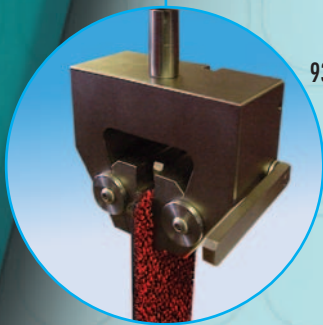
The MWD Test Stand is supplied as standard with a force gauge crosshead for applications up to 2500N. An optional Loadcell Mounting Block is available thereby providing an affordable solution for high load applications, where crosshead travel requirements are less than 150mm.



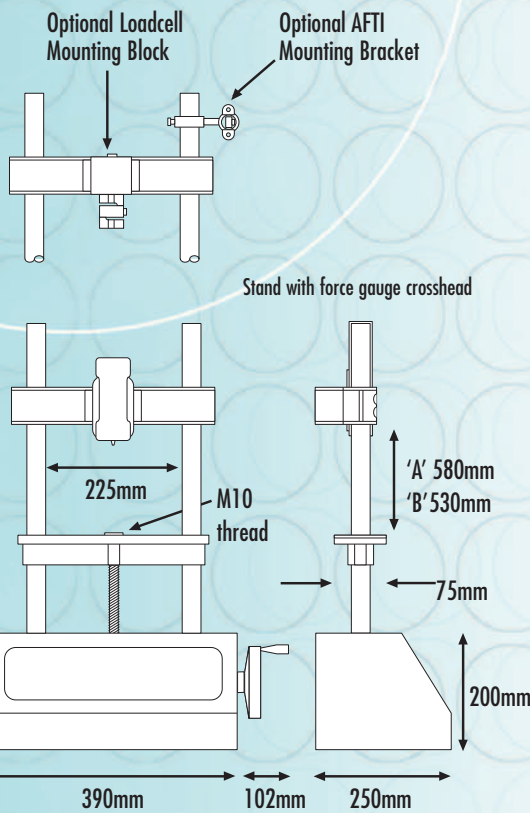
Top-load test



Digital height scale



Tensile test

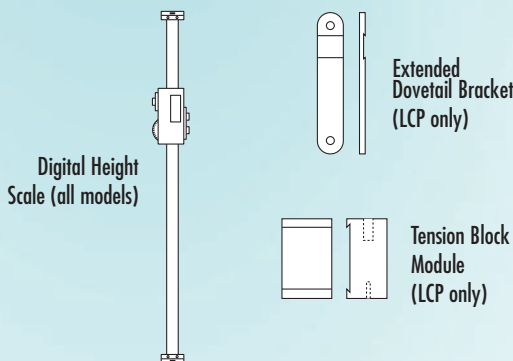


A : Stand with loadcell mounting block  
B : Stand with force gauge crosshead.

SPECIFICATIONS FOR STANDS WITH FORCE GAUGE CROSSHEADS	
Crosshead travel (both directions):	0.5mm per handle revolution
Maximum crosshead travel:	150mm
Maximum load:	10kN/1000kgf/2200lbf
Weight:	20kg
SPECIFICATIONS FOR STANDS WITH LOADCELL MOUNTING BLOCK (WHERE DIFFERENT FROM ABOVE)	
Maximum daylight:	580mm
Loadcell ranges:	10kN, 1000kgf, 2200lbf, or 5kN, 500kgf, 1100lbf

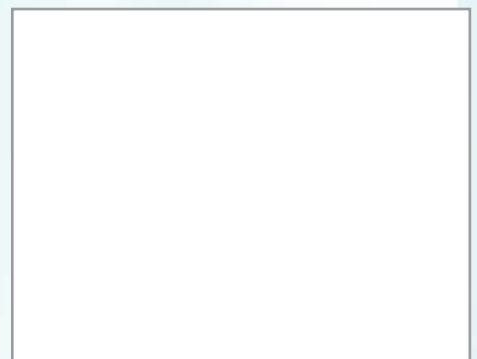
Available options	
Height scale:	0.01mm resolution
Horizontal operation:	Yes
Extended crosshead travel:	Yes (but reduced load rating)
Extended columns:	Yes

## Optional Accessories



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

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DEALER STAMP