

MACKLOW SMITH MST433 SERIES

COMPRESSION TRANSVERSE TESTING MACHINE

Use

These Macklow Smith transverse testing machines can be used for testing the strength of many of natural and man made materials such as ceramics, slates, floor and roof tiles.

The high tensile steel adjustable lower rollers are moved in unison across the 610mm of traverse to ensure central positioning, the rollers one with a centre support and the other with end supports to give maximum parallel support to the test piece.

The top roller is supported on springs to enable alignment to match the test piece.

The transverse loading platen runs on linear bearings for minimum friction over its 150mm travel, the design also incorporates maximum and minimum travel cut off switches.

Simple to Install

They can be supplied as floor mounting with its own stand or for bench mounting, standard electrical supply is 220-240V 1ph and may be plugged into most wall sockets.

Accuracy

Each machine comes with a works calibration certificate for the readout from the load cell/display and the customer approved pre-set test speed.

Options

A full range of mounting/loading fittings can be designed and manufactured to the customers specifications.

Electrical supply to suit customer requirements.

Hardware/Software options for recording and downloading results onto a PC.

Software for full machine/test control from a computer.

SPECIFICATION



View showing controls and test area

Model	MST433
Electrical Supply	220-240V 1PH 50HZ Others available on request
Test Piece Capacity:	
Length	760mm
Height	150mm
Loading	3 point (standard)
Loading rollers	Ø38mm
Span between rollers	Adjustable 55mm - 610mm
Test Speed	Adjustable 0.5mm – 28mm / min.
Force Range (std)	Up to 50kN
Overload Trip	Set at 110% FS
Load Cell:	
Accuracy	0.1% full scale
Safe overload	125% FS
Peak Hold feature	standard
Digital Display:	
Display	6 digits, 18mm LCD
Update speed	30ips
Protection	IP65
Membrane	Polyester, tactile action
Dimensions:	
H x W x D (bench)	1000 x 1200 x 450mm
H x W x D (floor)	1960 x 1200 x 600mm

In the interest of product development we reserve the right to alter specifications without prior notice.