

# MACKLOW SMITH

## MST435 SERIES

### COMPRESSION TRANSVERSE TESTING MACHINE

#### Use

These Macklow Smith transverse testing machines can be used for testing the strength of many natural and man made materials such as corrugated cardboard, plastics, metals, ceramics, slates, tiles and composites.

There is a range of configurations for the test area that can be supplied to suit the customers individual requirements, from platens, holders and rollers. Fitted as standard with a variable speed control, pre-set test speed control, maximum and minimum travel cut off switches, safety overload. The digital display has a five figure 18mm high LCD display, programming and calibration can be carried out from the tactile membrane keypad with no internal adjustments.

#### Simple to Install

They are supplied for bench mounting, with a standard electrical supply of 230V 1ph 50hz 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 to within  $\pm 0.05\%$  of rated full scale. The customer approved pre-set test speed to within 0.5mm/minute.

#### Options

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

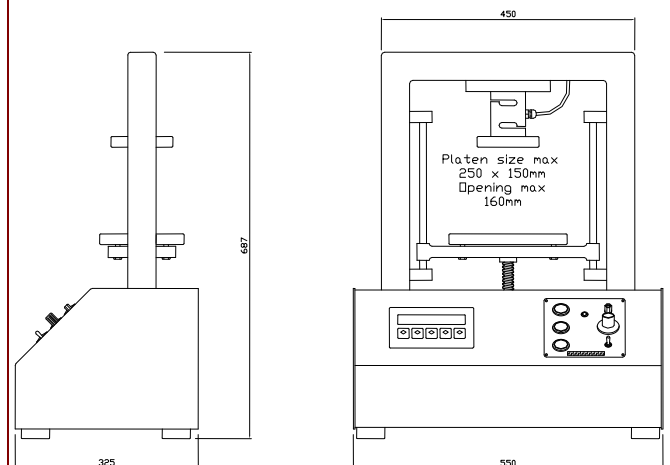
Electrical supply to suit requirements.

Auto return of platen for easy re-test

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

Software for full machine/test control from a computer.

## SPECIFICATION



Model	MST435
<b>Electrical Supply</b>	230V 1PH 50HZ Others available on request
<b>Test Piece Capacity:</b>	
<b>Length</b>	250mm max.
<b>Height</b>	150mm max.
<b>Depth</b>	150mm max.
<b>Loading platens (std)</b>	19mm plate
<b>Rollers (std)</b>	Ø38mm
<b>Span between guides</b>	290mm max.
<b>Test Speed (std)</b>	Adjustable from 0.5mm/min.
<b>Force Range (std)</b>	Up to 5kN
<b>Overload Trip</b>	Set at 110% FS
<b>Load Cell:</b>	
<b>Accuracy</b>	$\pm 0.05\%$ full scale
<b>Safe overload</b>	125% FS
<b>Peak Hold feature</b>	standard
<b>Digital Display:</b>	
<b>Display</b>	6 digits, 18mm LCD
<b>Update speed</b>	30ips
<b>Protection</b>	IP65
<b>Membrane</b>	Polyester, tactile action
<b>Machine Dimensions:</b>	
<b>H x W x D</b>	687 x 550 x 325mm

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