



**Compliance with following international standards:**

IS : 13630 (Part - 6), ISO 10545 (Part-4)

**Introduction:**

- Electro-Mechanical Design, quite and vibration free operation, Rate of loading controlled through AC drive.
- Capacity : 500 kgf
- Least Count : 0.1 Kgf
- Accuracy : 0.2% of Full Scale

**Salient Features:**

- Standard Digital Model with Load Cell
- Suitable for fired sample test on the same machine
- Suitable for MOR Test of Ceramic Tiles / Bars as per ISO : 10545 (Part-4) and IS : 13630
- Direct reading possible for different shapes of tiles (Square, Rectangular and Round)
- Direct Display of Load / Collapsing Force
- Selectable Test Units - Kg, KN
- Auto-stop upon completion of Test.
- Provision for emergency switch in case, if user wants to stop the load applicator at certain height
- With embedded push buttons operation on Digital panel.
- INTEGRATED AC INDUCTION MOTOR WITH DRIVE to control rate of Loading.
- With special guard to protect the operator against Ceramic splinters
- With 2 Rubber Lined rollers 30 mm diameter
- With adjustable Test Span
- With Auto-Calibration facility using standard Cast Iron Weights and standard code (Weights will not be supplied with the machine)
- Complete Unit is powder coated in attractive shades
- Operation on 230 Volt, 50 Hz, Single Phase, AC Supply

**Supplied with MOR Software (See Optional Accessories):**

- PC Software to log & Modify the generated date
- Two way communication with the machine
- Direct reading of MOR value and Breaking strength in excel format
- Reading can be saved and printed from the computer
- Connection through RS-232 port
- User can start/stop the machine form the computer
- User can enter Batch no, Date, Time, Dimensions of the test samples for report purpose
- User can enter company LOGO for report generation
- Can export the generated report in PDF, EXCEL, WORD Format

**Note :** 3 KVR servo controlled stabilizer is recommended:

Note: Specifications are subject to change.



Order Code - MT742  
MOR Testing Machine  
500 KGF-Up To (ISO 10545-4,BIS 13630)  
with Automatic Pace Rate Control 100 X 100cm Tiles

Technical Specification	
Platform Size	1000 X 1000 MM (100 X 100 CM)
Design	Electro-Mechanical
Operation	Quiet and Vibration free
Controlling System	AC Variable Frequency Drive with AC Induction Motor
Load cell Capacity	500 kgf (5 KN)
Least count for load	100 grams
Load resolution	0.01 kg
Test units	KG, KN Selectable
Motor Speed Control	Through AC Drive
Accuracy	0.2% of full scale
Can accommodate	Maximum tile size of 1000 x 1000 mm (100 x 100 cm)
Display	4" touchable screen display.
Controller	Microprocessor Based Controller
Construction	Mild steel body
Paint	Powder coating
Power Supply	230 volts, 50 hz, single phase, AC Supply

Note: Specifications are subject to change.

