



## TENSILE TESTING MACHINE FOR HDPE BAG - 250 KGF (2.5 KN) - WITH SOFTWARE AND PC INTERFACE

### Compliance standards:

ASTM D638, ASTM D412

### Applications:

For CEMENT HDPE BAG Tensile Strength Test

### Overview:

Computerized Tensile Strength testing machine having capacity of 0-250 Kgf (2.5 KN) (2500 N). Supplied complete with dedicated software program. Equipped with ball screw, Induction Motor & drive (for speed variation 50mm/min to 300mm/min) along with encoder to measure the elongation using pair of grips. Grip is available at extra cost and quoted separately.



### Salient Features:

1. Floor standing model
2. Aesthetic outer appearance
3. Unique and compact design features
4. Fitted with Microprocessor based PROGRAMMABLE Logical controller
5. Computer interface through USB Drive
6. Equipped with Ball screw for friction less traverse
7. Rotary encoder for high accuracy in elongation
8. Reputed make induction motor with dedicated gear box and drive for speed variation and to maintain speed at high torque (at maximum load)
9. Easy to use display unit (controller part) and software
10. In-built Over Load Safety
11. In-built Over Travel Safety
12. Auto Reverse facility
13. Auto Break
14. You can get graph for load v/s elongation (stress v/s strain) and also get a excel sheet with a single click

### Software facility:

1. Specially designed Windows based Graphical Dedicated Software
2. RS 232 interface with WINDOW based software to conduct the test directly from software itself
3. Can store generated data with corresponding graph
4. User can export the generated data in various file formats such as i.e. Excel, PDF etc

#### Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,  
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#### Calibration Laboratory:

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GST TIN No. : 24AABCE4018L1ZU  
I.T. PAN No. : AABCE 4018L  
IEC No. : 0813026598 Dt. 04/03/2014  
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TAN No. : AHME00572F



5. Large Storage capacity (More than 50,000 tests) Depending upon Hard Disk capacity.
6. User can change the design of generated graphs i.e. Line, Doted line, etc facility in graph
7. Graph Grids color combination facility
8. Graph zooming facility
9. Individual graph comparison facility
10. Graph overlapping facility for analysis of material property
11. Auto scaling facility
12. Company logo insertion facility
13. Software can run various tests and can recall data for any test conducted the in history. (If Saved)
14. Software is Menu Driven for easy navigation.
15. Test reports and graphs directly printed on terminal printer through direct print commands
16. Data and Result Units Selectable
17. User can operate the machine directly from the software itself

#### Technical Specification

• Exterior Body Paint	: Powder coated
• Display	: Digital LCD Display
• Capacity	<b>: 0-250 Kgf (0-2500 N)</b>
• Load cell	<b>: 'S Type' load cell of reputed make</b>
• Vertical Clearance	: 700 mm
• Pneumatic clamping pressure	: Adjustable upto 5 kg/cm <sup>2</sup> (Optional)
• Results displayed on screen	: Load, Elongation values, Testing speed and type of test
• Least count for elongation	: 0.01mm
• Least count for load	: 0.01 kg or 0.1 N
• Load units	: Kg, Newton & KN as per selection
• Speed Variations	<b>: From 50mm/min to 300 mm/min</b>
• Motor for speed variations	: Reputed make induction motor with dedicated gear box
• Test jaws	<b>: Individual jaws for Tensile Test of CEMENT HDPE BAG</b>
• No. of screws	: Single screw mechanism driven through motor & gearbox
• Power Supply	: 230 Volt, 50 Hz, Single Phase, AC Supply

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