

**Product Name :**  
Semi-Automatic Compression Testing Machine

**Product Code :**  
CHINAELABC2650010



**Description :**

Semi-Automatic Compression Testing Machine

**Technical Specification :**

The Semi-automatic compression testing Machine with an advanced and intelligent screen touch digital indicator with manual pace rate controller system.

User-friendly machine that facilitates and smoothens the process with manual pace rate control, data interface, data printing, load hold with in-built portable printer etc.

In this machine its sufficient to press only start button to complete test and get final result in N/mm<sup>2</sup> & Kg/cm<sup>2</sup>.

Our semi-automatic compression testing machines consist of a rigid two column plate type frame, hydraulic power with rapid approach and fine-tuning system for manual pace rate control.

Power Pack : Semi-Automatic Cement Compression Testing Machines fully controlled power pack, by a pressure rate control valve, is designed to supply the required oil to the load frames for loading.

The Cement compression power pack can load different frames with required pace rates and equipped with safety maximum pressure valve to avoid machine overloading and our rapid approach pump is supplied as standard quality.

Pumping Unit : We provide single and double speed pump facilitates rapid approach of the platens for daylight closure and also provides comprehensive control over the application of load.

Motor : We provide dual pump power driven an AC motor 220 V (110 V), 50-60 Hz single phase and 0.55 kW

Touch Screen HMI:

Peak Load, Peak Stress, Unique Record No. is displayed

Menu Driven Sample Details

Data Download thru RS232

Peak stress calculation based on sample type and shape

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Time in Second  
Result in kg/cm<sup>2</sup>, N/mm<sup>2</sup>  
Pace rate kN/Sec  
Easy to operated  
Start, Stop, Pause &Reset  
Touch Screen Keyboard  
You can view in HMI  
Actual Load, Peak Load  
Total area of sample and sample number also.

Capacity : 1000, 2000 and 3000kN 1000, 2000 and 3000kN

Load Frame Specifications:

A fully welded loading frame comes with a top crosshead, base and solid side walls with the precision ground hydraulic piston fixed to the base of the machine.

Also, the machine is super empowering for it works by using rapid approach pump that allows the fast approach of platens, for daylight closure and also allows automatic, precise control over the load application.

There is also a display of pace rate bar which gives timely feedback to the operator on the loading rate.

Distance pieces, and also removable transparent front-rear safety doors.

The main characteristics are:

High stability welded assembly

Distance pieces and safety door included

Ball seating assembly and frame tested for stability

Piston stroke with safety limit switch

Platen hardness of min 55 HRC



**Engineering Lab China**