

**Product Name :**  
Switch Plug Socket Test Machine

**Product Code :**  
ELAB-SWTC0001



### Description :

Switch Plug Socket Test Machine

### Technical Specification :

The test machine is designed and manufactured according to IEC60884-1 clause 20 and 21 fig 16, IEC60669-1 and etc. It is applicable for the switches breaking capacity and normal operation life test of household and similar fixed electrical installations, also suitable for plugs and sockets' breaking capacity and normal operation life testing of the household and similar purposes. The test equipment simulates the switches, plugs and sockets, fuse contacts long-time rotation, insertion and withdraw actions, for assessing whether the switches, plugs and sockets, fuse contacts are able to withstand the normal use of mechanical damage and electrical fatigue damage, and whether the contact points has adhesion phenomenon, long-term closed or disconnected phenomena, to examine whether the test samples are excessive worn or have other harmful consequences. It is special test equipment for switches and plug-sockets electrical endurance test.

The test equipment can do endurance testing for button switches, rocker switches, plugs and sockets. Coupled with the external load bank (resistive, inductive and capacitive) can process loading test, it has a corresponding control system. Please note that the external load bank should be prepared by user.

The test machine is made of aluminum frame, stainless steel seal plate, driven by the servo motor and ball screw, with 7-inch color touch screen, Mitsubishi PLC control system, humanized operation interface and powerful digital display. The test times, conduction current time, test speed, test stroke can be preset. It has the electric current display function that can show the sample's conduction current. The whole test machine has 2 working stations, each station can process linear switches and plugs and sockets synchronously. When there

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are continuously switched on or off due to the adhesion or failure, it will alarm and record the appropriate number of experiments, and it alarms when the test times reach the preset value. The test machine will automatically stop when an alarm occurs.

 **LAB ENGINEERING**

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