

AUTOMATIC CLEARING, TESTING & SORTING SYSTEM MODEL DE1000HN (30, 37.5 & 50)



Features

- ❑ The machine facilitates automatic loading of elements upto 25 mm diameter and Manual Loading upto 40 mm diameter.
- ❑ Consists of 60 stations specially built for Initial AC Short Clearing, AC Short Clearing, DC Short Clearing, Discharge Through Resistors, AC High Voltage Test(Optional), Discharge Through Resistors, Direct Discharge, Capacitance & TAN D Measurement, Sorting into Good and Retest bins.
- ❑ Motorized Chain indexing unit ensures wide range of components being handled with minimum change parts.
- ❑ Automatic Feeding of elements from vibrator conveyor and element placing unit.
- ❑ Designed to test the capacitor elements of different values simultaneously and continuously along with sorting into Good cap bin and Retest cap bin.
- ❑ Operating control panel with Capacitance & Tan D measuring instrument, digital Panel meters for AC High/ Low voltage are situated at front convenient position from ground level for easy settings and visualization.
- ❑ All operations are automatically controlled By Programmable Logic Controller (PLC).
- ❑ User friendly touch screen operator controls along with program memory(100 programs storing facility).
- ❑ Precision measuring equipment for Capacitance and Tan D Measurement ensuring high standard of testing for every test parameter.

Technical Specifications

Element Length	30 mm + Margin + Spray	37.5 mm	52 mm (max)
Element Diameter	Ø 16 mm to Ø 25 mm (Automatic Loading) & Above Ø 25 mm to Ø 40 mm (Manual Loading)		
Element Loading	Automatic / Manual switch selected.		
Test Station	AC short clearing @ 5Volts AC, 20A Max.	Test Station	Discharge through resistor bank
Test Station	AC short clearing @ 10Volts AC, 20A Max.	Test Station	Direct Discharge
Test Station	DC Short Clearing from 300V to 2500VDC	Test Station	Cap & Tan D Measurement
Test Station	DC Pass / Fail	Test Station	Capacitor Ejection into Good Bin.
Test Station	Discharge Through resistors	Test Station	Retest Ejection
Test Station	AC High Voltage Test upto 1000V AC @ 15A Max Resonance Type.		
Self Healing Voltage and Current		300 - 2500V DC & Max 500mA	
AC Voltage		0 - 1000V AC @ 40 mfd / Load Current 15A Max.	
Capacitance Range		1mfd to 40mfd	
Total No. Of Capacitor clamping Jigs		60 jigs.	
Binning		1 Good Bin and 1 Retest bin.	
LCR Measuring Equipment		Capacitance Meter LCR 2015 with basic accuracy of 0.1%, Test Frequency of 1kHz, LCD display for measurement result and test conditions with Rs232 communication	
Measurement Frequency		100Hz or 1KHz selectable.	

General Specifications

Power supply : 230 V AC $\pm$ 10%, 50 Hz, 1 phase, 3 KW (Nominal).
 Air supply : Pressure - 6 Bar, Consumption - 5cfm.
 Floor space : 2930mm x 620mm x 1530mm (L x W x H).
 Machine weight : 1500 Kgs (Approx.).



NOTE: We reserve the right to modify above specifications at any time. please confirm your specification before ordering.