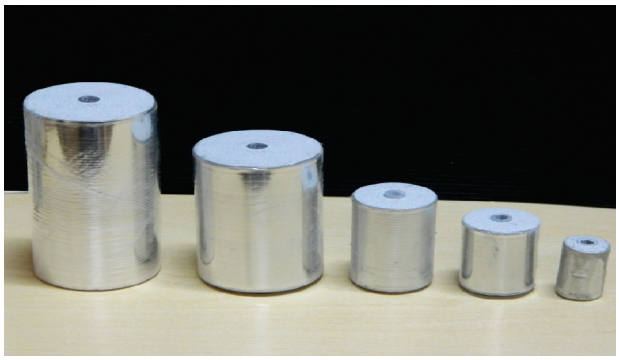
AUTOMATIC CAPACITOR TESTING MACHINE MODEL - AE1000RN

Features

- Rotary Cam Type Indexing for 8 station testing positioning.
- Pneumatically open/close, spring loaded clamping contacts & jaws ensures perfect gripping of the capacitors for testing.
- Quick change over parts in contacts & jaws for the capacitor length range from 30 to 50mm & 50 to 110mm.
- Up to 100 mfd capacitance value can be tested.
- Automatic control of the operations by programmable Logic Controller with user friendly color Touch Panel.
- Facility to handle capacitors with dimensional range of length 30mm to 110mm & diameter 20mm to 60mm.
- Accurate & Reliable measuring equipment used for measurement of Capacitance & Tan D value ensuring high standard of testing.
- Fast Measurement resulting in high Productivity.
- The AC high voltage range upto 1000V , 2.15 times the operating voltage can be applied and cleared without any harm to components or equipment. 250V rated components can be applied a voltage of 540V and 440V rated components can be applied with AC voltage of 950V.
- Pre measuring stations between loading & High Voltage AC for the safety.
- MCCB along with Power locking for Electrical Safety
- Automatic ejection of the capacitor on to the collection bin.
- User friendly colour Touch Panel with Bin status, graphical representation of Capacitance & Tan D deviation and Test Report of last 800 components.
- Element Sorting as good and re - test Components.

Technical Specification

Capacitor Type		Zinc sprayed capacitor elements	
Capacitor Dimension		Length 30mm to 110mm, Diameter 20mm to 60mm	
Station 1	Automatic Loading	**Station 5**	Discharge through Resistor
Station 2	Empty	**Station 6**	Capacitance & tan D measurement
Station 3	AC Pre Voltage Test @ 20V AC,30A	**Station 7**	Good Component Ejection
Station 4	AC High Voltage test upto 1000V AC	**Station 8**	Re-Test Component ejection.
Test Voltage		1000V AC continuously adjustable through switch & monitored on Digital voltmeter.	
Discharge		Rapid Discharge through Resistors within 0.1s.	
Contact Pins		Spring Loaded Pins / 4 terminal Kelvin.	
Component Clamping		Pneumatically open/close spring loaded Brass contact arrangement.	
AC Testing Equipment		Voltage and Current feedback control at AC Power Source.	
LCR Measuring Equipment		Capacitance Meter CR 2012 with basic accuracy of 0.1%, Test Frequency of 1kHz, LCD display for measurement results and test conditions with Rs232 communication	
Safety Measurement		Safety enclosures to testing area for Operator Safety.	
Measurement Frequency		100Hz or 1KHz.	



General Specification

Floor space : 1800 x 1220 x 1970 mm (W x L x H)
Machine weight : 800 Kgs (Approx.).
Power supply : 415V AC, 50Hz, 3 phase, 6 KW (Nominal).
Air supply : Pressure - 6 Bar, Consumption - 8cfm.

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