

**CAFT 25**



## **CAPACITOR ASSEMBLY & FINAL TESTING MACHINE**



**WIRE TYPE FINISHED CAPACITOR**

**ACCURACY - DURABILITY - VERSATILITY**

### **Features**

- Rotary CAM Indexing System.
- Except Manual Loading of Soldered Element with Top Cover & Wire Loading to Testing Jigs, other operations like CAN Loading, Resin Filling, Resin Level Check, Top Case Presence check, Top Case Press, Top Case Press Check, AC LV, AC HV, Cap & Tan-D Measurements & Sorting through Robotic.
- Testing Date are logged in CSV Format.
- Capacitance Value Up to 25mfd can be test.
- Smart Motorized Conveyor for CAN feeding, CAN Orientation, Orientation Check, Online Printing on CAN.
- AC High Voltage up to 1KV can be applied to test the capacitor for HV withstanding capacity.
- No change parts for different CAN Diameter.
- Capacitor Binning through Motorized buffer conveyor for Finished Capacitors.
- Operator Safety interlock @ Loading area using Light Curtain & Doors with Sensors.

## TECHNICAL SPECIFICATION

CAN Length		49mm to 57mm	
CAN Diameter		25mm to 35mm	
*Customer Scope:- Printing Machine & Resin Dosing System			
Station 1	CAN Loading	Station 9	Manual Wire Insertion to Testing Jig
Station 2	Resin Filling (*Integration is done by us)	Station 10	AC LV Up to 75V Ac
Station 3	CAN Height Adj	Station 11	AC HV Up to 1000V Ac
Station 4	Resin Level Check	Station 12	Discharge Through Resistor
Station 5	Manual Insertion of Soldered	Station 13	C & Tan D Measurement through 4 terminal Kelvin arrangement up to jigs.
Station 6	Soldered Element with Top Case Presence Check	Station 14	Provision for Laser Marking on the Good Capacitor
Station 7	Top Case Press	Station 15	Provision Vision Camera Good Capacitor Ejection on Conveyor in Vertical Position
Station 8	Empty	Station 16	Value Reject / Re-Test Capacitor Ejections on Conveyor in Vertical Position
AC LV Voltage		Up to 75V Ac	
Capacitance Range		Capacitance Meter Model 2016C with basic accuracy of 0.1%, Test Frequency of 1kHz, LCD display for measurement results and test conditions with Rs232 communication	
*Capacitance Range		1mfd to 25mfd	
Measurement Frequency		1KHz & 100Hz	
Safety Measurement		Safety enclosures with door sensors to testing area	
Production Per Hour		1000 to 1200 Nos ( Cycle Time Depending on AC HV Test Time & Resin Dispensing Time)	
Capacitor With Wire Length		Min 110mm & Max 380mm	
General Specification			
Power Supply		415 /380V, 3 Phase , 50/60Hz, 8kW	
Air Supply		Compressed Air @ 6 bar. Consumption 5cfm	
Floor Space		3900mm x 3150mm x 2400mm ( L x W x H)	
Machine Weight		1500Kgs ( Approx)	

\* Other specification available on request.

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

P 25DS



## DUAL STATION FINISHED CAPACITOR TESTING SYSTEM

*Very High Productive*



TYPE FINISHED CAPACITOR

**ACCURACY**

**- DURABILITY -**

**VERSATILITY**

### Features

- Rotary CAM Indexing System with Dual station for testing for high productive testing
- Single Cap Value Testing Facility.
- Except Manual Loading of capacitors, other operations like AC HV, Discharge, Cap Measure & Binning are Automatic.
- Testing Date are logged in CSV Format.
- Capacitance Value Up to 25mfd can be test.
- AC High Voltage 1000V AC can be applied to test HV withstanding capacity of Capacitor.
- No change parts for different type capacitor terminals.
- Capacitor Binning .
- Operator Safety interlock @ Loading area using Light Curtain & Doors with Sensors.

P 25DS



## TECHNICAL SPECIFICATION

*Capacitor with Wire Length		180mm	
CAN Diameter		25mm to 80mm	
Station 1	Manual Capacitor Loading (Cap-1)	Station 9	Manual Capacitor Loading (Cap-2)
Station 2	AC HV Up to 1000V AC	Station 10	AC HV Up to 1000V AC
Station 3	Discharge Through Resistor	Station 11	Discharge Through Resistor
Station 4	Direct Short & HV Fail Capacitor Binning	Station 12	Direct Short & HV Fail Capacitor Binning
Station 5	C & Tan D Measurement	Station 13	C & Tan D Measurement
Station 6	Good Capacitor Binning	Station 14	Good Capacitor Binning
Station 7	Value Reject , Tan D & Re-Test Capacitor Binning	Station 15	Value Reject , Tan D & Re-Test Capacitor Binning
Station 8	Empty	Station 16	Empty
AC HV Voltage		Up to 1000V Ac	
Capacitance Range		Capacitance Meter Model 2016C with basic accuracy of 0.1%, Test Frequency of 1kHz, LCD display for measurement results and test conditions with Rs232 communication	
*Capacitance Range		1mfd to 25mfd	
Measurement Frequency		1KHz & 100Hz	
Safety Measurement		Safety enclosures with door sensors to testing area	
Production Per Hour		3000 to 3200 Nos / per hr ( Cycle Time Depending on AC HV Test Time)	
Capacitor With Wire Length		Min 110mm & Max 180mm	
General Specification			
Power Supply		415 /380V, 3 Phase , 50/60Hz, 8kW	
Air Supply		Compressed Air @ 6 bar. Consumption 5cfm	
Floor Space		3900mm x 3150mm x 2400mm ( L x W x H)	
Machine Weight		1500Kgs ( Approx)	

\* Other specification available on request.

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

**GLOBONIC'S**  
MFG OF SPECIAL PURPOSE MACHINES

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