

**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 Postion
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		
<b>General Specification</b>			
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 withstand 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 & Tam D Measurement	Station 13	C & Tam 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		
<b>General Specification</b>			
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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