

Capacitor assembly system

Model –CAS3565 & Model-CAS65120



Capacitor assembly system consists of 16 station index table, with each station is having individual electrical contacts. Empty can will be loaded to the vibratory bowl, from vibratory bowl empty CAN will come out automatically and after coming out of bowl, CAN will be oriented for direction. After orientation CAN will be printed (optional) and loaded on to the index table automatically by pick and place robot. After programmed quantity resin is filled in the CAN, Element with wire soldered and disc is manually inserted to the resin filled CAN. In the next station disc is pressed by pneumatic cylinder. In the next station De sleeved wire is inserted to the electrical contacts. Component is tested with ac power supply and parameter is measured and Laser printed (optional) and segregated.

Technical Specification

System structure:

16 index stations, with individual Electrical contacts.
Ac power supply with switch selectable different voltage up to 900V. Printer (Not supplied with system).
Vibratory bowl feeder for can feeding. Resin filling unit (optional).

System functions:

AC HT source:

up to 900V switch selectable with resonant clearing suitable for maximum 20 Mfd. For Model-CAS3565 suitable for maximum 100 Mfd. For Model-CAS65120

Capacitance Meter:

& Dissipation factor meter

Tongui chaina make.

Index station description

- | | |
|-------------------------------------|---|
| 1. CAN loading. | 9. wire insertion to electrical contacts. |
| 2. Resin filling operation. | 10. 100 volts 10 Amps AC voltage clearing. |
| 3. No operation. | 11. AC voltage 900 volts testing. |
| 4. Resin level sensing | 12. Discharge through resistor and shorting. |
| 5. Element with top disc insertions | 13. Value and tan d measurement. |
| 6. No operation | 14. laser print. (Optional) |
| 7. Top disc pressing. | 15. Good capacitor unloading to cup conveyor. |
| 8. no operation. | 16. And reject capacitor ejection. |

Testing Capacitor specification

Length: : up to 225mm including wire length & Suitable for wire type for model CAS-3565
: For Model CAS-65120 to be specified.

Can Diameter: Ø25- 35 mm and height 45-65mm for Model CAS-3565
Ø35- 65 mm and height 65-120mm for Model CAS-65120

Value: 1Mfd-20 Mfd for model CAS-3565
3Mfd-100 Mfd for model CAS-65120

Terminal type : wire type and pin type

Production: : 20-25 pieces/min depends on resin filling speed. For Model CAS3565
: 12-18 pieces/min depends on resin filling speed. For Model CAS65120

Power requirements

For controls : 1ph, 230V±10V, 50Hz, 1kw (online ups recommended)

For AC HT source: 1ph, 230V±5% 50 Hz, and 2kw for model-CAS3565
1ph, 230V±5% 50 Hz, and 6kw for model-CAS55120

Compressed Air : Consumption 3Cfm at 6 bars level.

Note: - Dry and filtered air must be supplied.