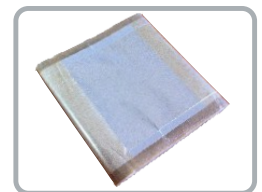


Smart Winder[®]

Automatic Grading Capacitor Winding Machine (Tableless type)



Synthesis

Description

Automatic Grading Capacitor (GC) Winding Machine is designed to wind **Extended foil type** elements used in HV Circuit breakers and Coupling Capacitors.

The optimum combination of mechanical, pneumatic and electronic systems incorporated in the machine provides high performance coupled with reliable operation and simplicity in maintenance.

By utilising the latest technology, materials and manufacturing techniques, the machine offers several features such as high productivity, repeat accuracy, reliability etc.

Features

- Closed loop servo tension control for film and foil spools give uniform tension, resulting in high quality winding and higher productivity.
- Automatic threading and unloading using collapsible-type mandrel eliminates manual operation and gives good repeatability and higher productivity.
- Automatic foil cut for both foils eliminates manual intervention during winding, resulting in higher productivity and consistency.
- Programmable end position of Foil and Di-electric ensures perfect alignment between elements.
- Material exhaust sensing and *Smart-detect* system to judge adequacy of material available on the spool at the beginning of each cycle reduces material wastage.
- Integrated Dry-element tester with automatic transfer and sorting of wound elements, eliminates manual handling of delicate elements ensuring better quality.

Technical Specifications

Particulars	Model : GC 100
Number of Feeders	Film 6; Foil 2
Width of the Foil	40 mm to 90 mm
Width of the Dielectric	50 mm to 100 mm
Thickness of Foil	5 μ to 8 μ
Thickness of Dielectric	9 μ to 18 μ

Dry Element Testing and Sorting

Testing Voltage	0 to 7 kV (Programmable)
Element Thickness	6 mm to 15 mm
Element Length	50 mm to 100 mm
Controller	PLC

Options

- Capacitance measuring unit and data logging
- Automatic Edge Alignment
- Full Machine Guarding with CE and S&P Certification

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