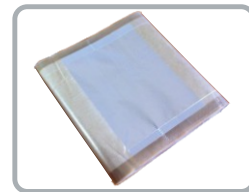
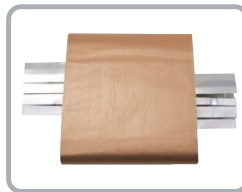
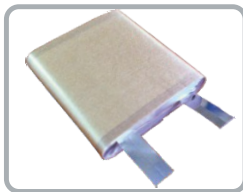
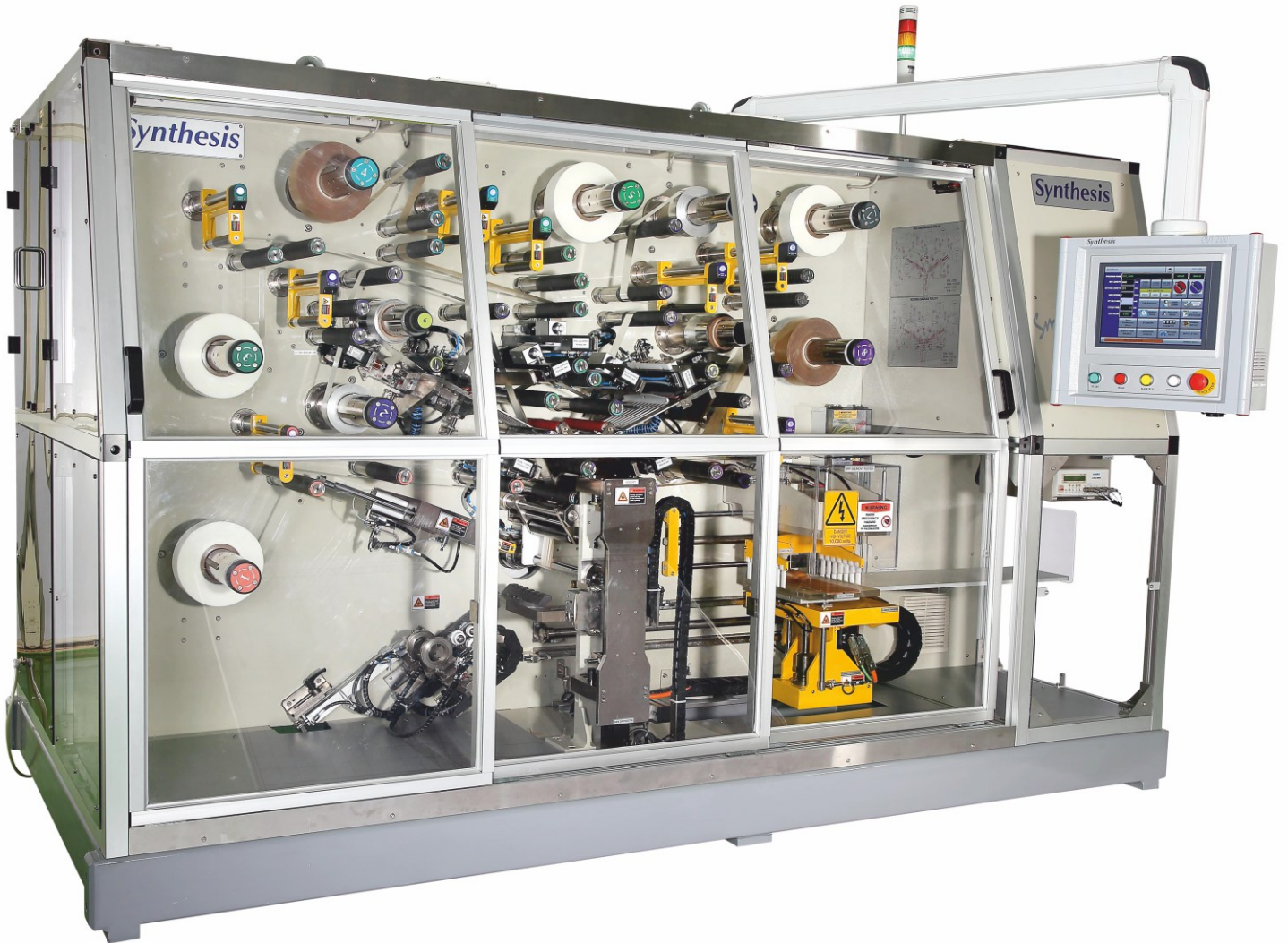


Smart Winder[®]

Automatic GC Winding Machine with Automatic Tab Insertion



Synthesis

Description

Automatic GC-CVT (Combo) Winding Machine is designed to wind elements of both **Extended foil type** and **Tab type** used in Power systems as Coupling Capacitors and Instrument Transformers for metering purpose.

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.
- Automatic insertion of pre-stitched Tabs with programmable position ensures perfect alignment of Tabs with respect to Element.
- 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 CVT
Number of Feeders	Film 6; Foil 2; Tab 2
Width of the Foil	50 mm to 190 mm
Width of the Dielectric	60 mm to 200 mm
Thickness of Foil	5 μ to 10 μ
Thickness of Dielectric	9 μ to 18 μ

Dry Element Testing and Sorting

Testing Voltage	0 to 7 kV (Programmable)
Element Thickness	8 mm to 25 mm
Element Length	60 mm to 200 mm
Controller	PLC

Options

- Capacitance measuring unit and data logging
- Automatic Edge Alignment
- Full Machine Guarding with  and  Certification

Synthesis Winding Technologies Pvt. Ltd.



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