

AUTOMATIC HT CAPACITOR WINDING MACHINE MODEL HT - 650DA



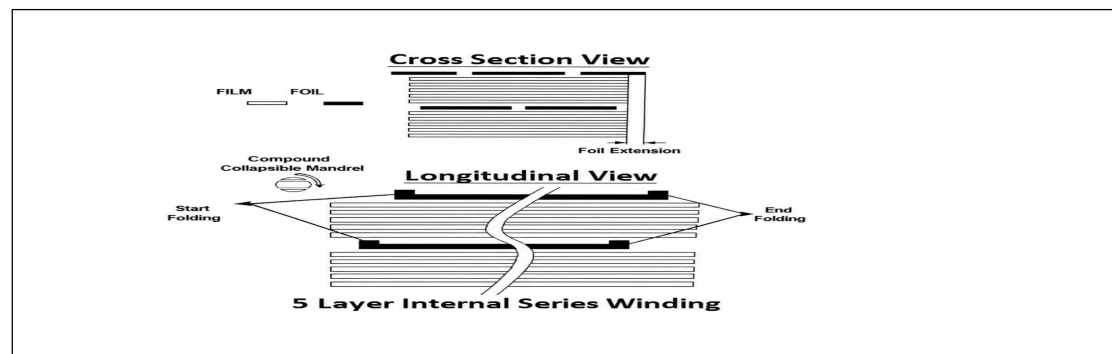
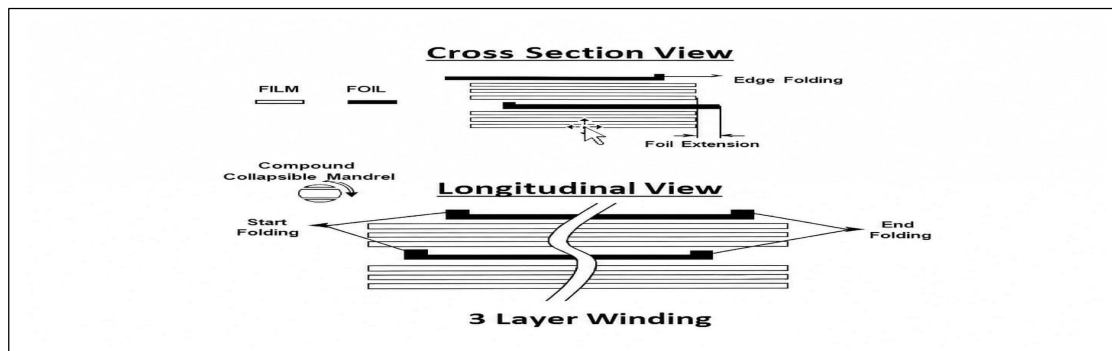
Features

- ❑ Winding of capacitor with extended foil of width ranging from 300mm to 600mm and diameter upto 190mm.
- ❑ Pneumatic type spring lock feeders for easy and fast loading of material.
- ❑ Low inertia dancing rollers for quick response and accurate tension control.
- ❑ Ground jockey rollers made out of alluminium alloy are fitted with low friction bearings.
- ❑ Automatic foil cut and end fold, with edge fold loss detection for foils .
- ❑ Automatic ejection and transfer of elements to online testing by motorized conveyor which eliminates manual handling of elements.
- ❑ Element pressing for desired thickness/pressure through adjustable Moving conveyor height.
- ❑ Automatic stacking of the elements on stacker.
- ❑ Automatic compound collapsible type mandrel with self threading & retraction.
- ❑ Series capacitance winding facility with Dual Arbor indexing system for winding and ejection.
- ❑ Quick change over of sleeves for the base mandrel with varying diameter.
- ❑ Final sealing of the wound element through adhesive taping.
- ❑ Closed-loop tension control using AC servo motors for each unwinding spool maintaining consistent tension throughout the winding cycle.
- ❑ Dry Tester arrangement for element Online DC High Voltage (Up to 6KV DC) withstand testing.
- ❑ "DC Regulated Power Supply" for DC high voltage withstanding testing, discharge through charge/discharge unit & element PASS / FAIL decision.
- ❑ Control panel with user friendly 7"(inches) color touch screen for entering parameters & for monitoring the operation status.
- ❑ PLC (Programmable Logic Controller) controlled operation with human machine interface.
- ❑ User-friendly programming through touch panel and multiple program memory.

Technical Specification

	Aluminium Foil	PPR Film
Feeders	5	10
Roll Inner Diameter	75±1mm	75±1mm
Roll Outer Diameter	250 mm	300 mm
Thickness	4 - 9 microns	6 - 18 microns
Width	300 to 600 mm 145mm (In case of int. series winding)	250 to 600 mm
Winding Diameter (D)	Maximum 190 mm	
Surface Speed	Max. 3.5m/sec (Subject to winding quality).	
Mandrel/Sleeves (Compound Collapsible type)	Diameter 40mm, 47.5mm, 51mm, 57mm, 60mm, 62mm, 75mm, 95mm, 127mm, 135mm & 152.5mm	
Number of component per cycle	Single element	
Stacker	Motorized Stacker with max. Storing height 200 mm.	
Conveyor	Motorized Belt Conveyor.	
Element Ejection	Automatic Ejection Through Ejector cup on to the conveyor	
Test Voltage & Current	Up to 6kV DC (Continuously Adjustable)	
Protection	Re - Settable over-current trip with indication	
Dry Tester		
Testing Voltage	0 to 6kV DC Programmable (Optional).	
Testing time	2 to 60 sec. (Programmable).	
Element thickness	8 mm to 30 mm	
Test cycle	Automatic through PLC control.	

Winding Configuration



General Specification

Power supply	: 440 V AC $\pm$ 5%, 50 Hz, 3ph, 4kW.
Air supply	: Pressure - 6 Bar & 8cfm.
Floor space	: 4430 x 2361 x 2207 mm (W x D x H).
Machine weight	: 4700 Kgs.(Approx.)

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