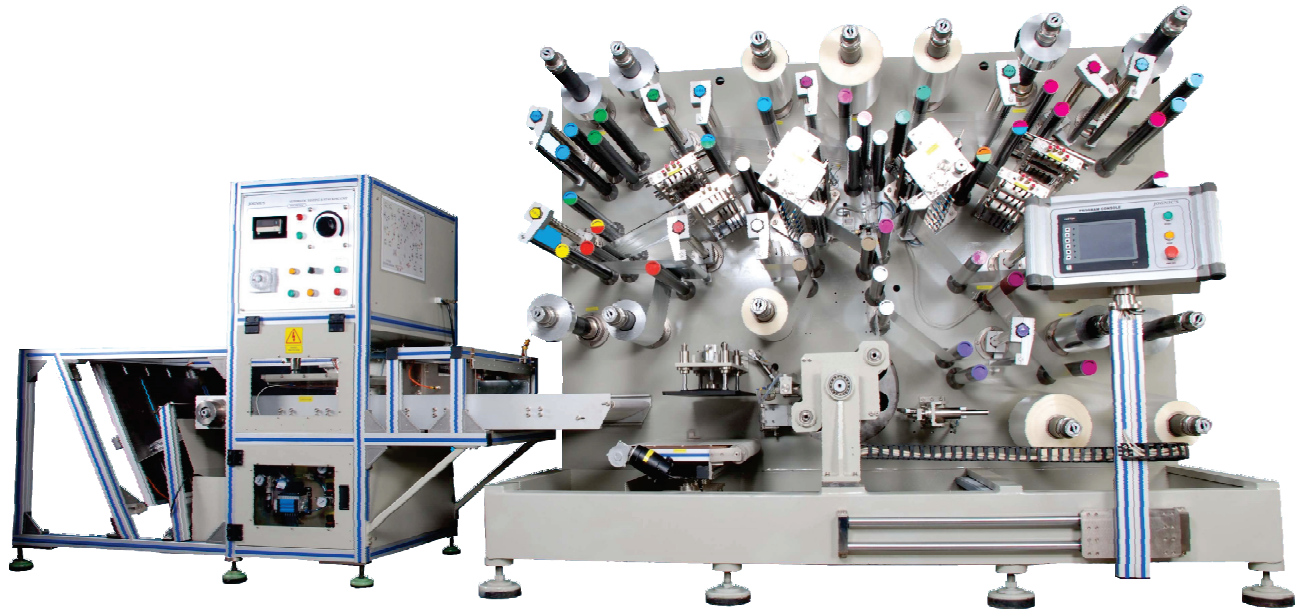


AUTOMATIC CAPACITOR WINDING MACHINE MODEL - HT600A



Features

- ❑ Capacitor with extended foil of width ranging from 250mm to 600 mm and diameter upto 120mm.
- ❑ Individual servo drives for feeders, ensures synchronized feeding of foil with the line speed resulting in accurate control of head & tail length and reducing wastage of material.
- ❑ Low inertia dancing roller for quick response and accurate tension control
- ❑ Ground jockey rollers made out of aluminium alloy, fitted with low friction bearings for precision and long life.
- ❑ Automatic foil cut and end fold, with edge fold loss detection for foils .
- ❑ Automatic ejection and transfer of elements to the dry element tester by a motorized conveyor eliminates manual Handling and ensuring better quality.
- ❑ Element pressing for desired thickness/pressure through adjustable pressing pad height.
- ❑ Automatic stacking of the elements on stacker.
- ❑ Automatic compound collapsible type Mandrel with self threading & retraction.
- ❑ Dual arbor index system allows automatic two point sealing & unloading of the wound capacitor at former (Arbor-1) while winding is in progress at Arbor-2, resulting in high productivity.
- ❑ Quick change over of sleeves for the base mandrel with varying diameter.
- ❑ Two point thermal sealing.
- ❑ 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.
- ❑ User-friendly programming through touch panel and multiple program memory. .

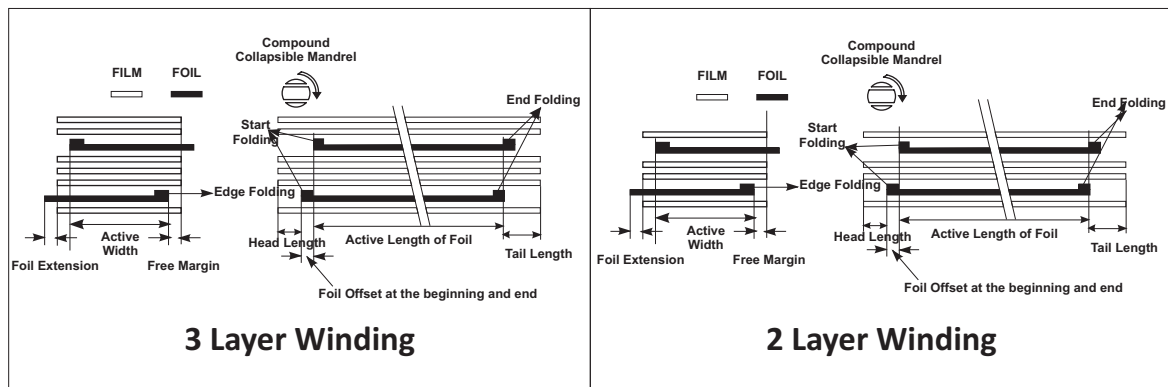
Technical Specification

Winding Element Dimension		
Number of component per cycle	Single element	
Mandrel Diameter (d)	Standard 70 mm. (Compound Collapsible Type)*	
Winding Diameter (D)	Maximum 160 mm	
Winding Width (L)	Min. 250 mm to Max. 600 mm*.	
Material Dimension	Aluminium Foil	Polypropylene Film
Number of spools	8	6
Width	250 to 600 mm	250 to 600 mm
Thickness	4 - 8 microns	6 - 18 microns
ID of the spool	75±1mm	75±1mm
OD of the spool	250 mm	300 mm
Surface Speed	Max. 3.5m/sec (Subject to winding quality).	
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) and 5mA (max)	
Protection	Short Circuit and Overload protection	
Safety Enclosure	Dust protection Enclosure for High Quality product & Safety	

Dry Tester	
Testing Voltage	0 to 6.0 kV DC (Programmable).
Testing time	2 to 60 sec. (Programmable).
Element thickness	10 mm to 30 mm
Test cycle	Automatic through PLC control.

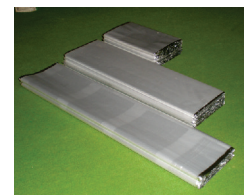
* Other specification available on request.

Winding Configuration



General Specification

- Power supply : 415 V AC , 50 Hz, 3 phase, 22kW .
- Air supply : Pressure - 6 Bar, consumption - 25LPM.
- Floor space : 2600 x 2000 x 2200 mm (W x L x H).
- Machine weight : 5000 Kgs. (Approximately)



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