

AUTOMATIC CAPACITOR WINDING MACHINE MODEL AWM-150D



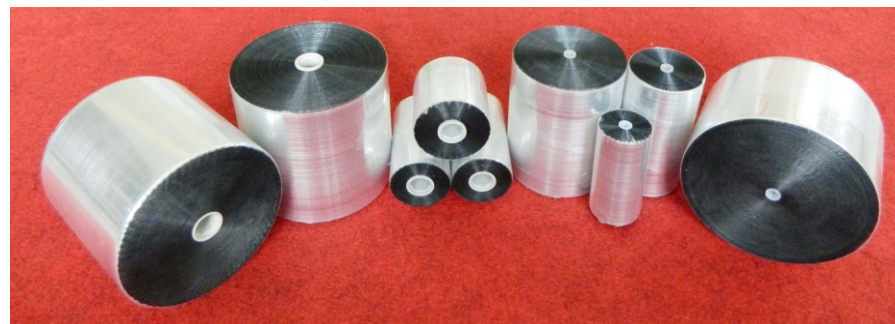
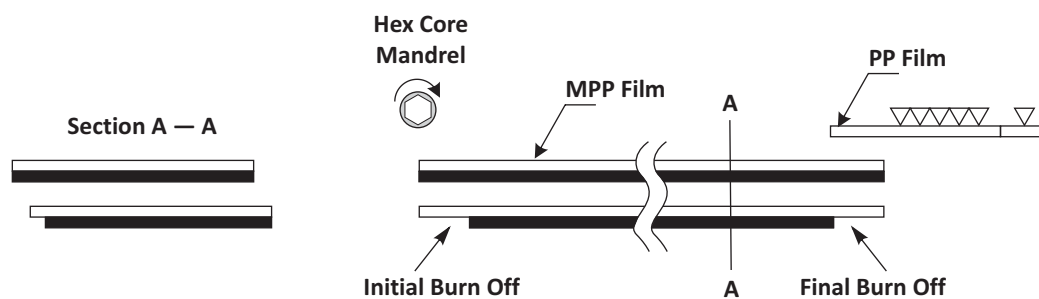
Features

- ❑ High Speed winding with surface speed control.
- ❑ Winding for capacitance.
- ❑ Single mode (1 element/cycle) of winding producing capacitor having diameter upto 150mm.
- ❑ 3 position index arrangement, facilitates simultaneous and continuous operation.
- ❑ Hex core mandrels are driven by AC servo motor, controlled by AC servo drive with acceleration & de-acceleration.
- ❑ Electronic tension control with low friction cylinders for dancing rollers and AC Servo motors with drives for each feeders.
- ❑ PID Temperature controlled heat sealing of wound element.
- ❑ Pneumatically operated feeders for Fast loading of spools with firm gripping.
- ❑ On-line margin setting of spools.
- ❑ Spools exhausts detection.
- ❑ User friendly touch screen operator controls along with program memory (100 programs storing facility).
- ❑ Metallized film is demetalized during the initial and final turns of the winding.
- ❑ Automatic loading of cores to the mandrel through hopper unit.
- ❑ Minimum change parts for different core diameter & different width of winding.
- ❑ Wound elements are ejected into the soft ejection chute and onto the motorized conveyor.
- ❑ Safety enclosure to electrical area and operational area with limit switch interlocks for operator safety.

Technical Specification

	MPP	PP	Burn Off
Feeders	4	2	2
Roll Inner Diameter	75mm	75mm	75mm
Roll Outer Diameter	350mm	250mm	180mm
Thickness	4 - 12 microns	20- 40 microns	25- 40 microns
Winding Diameter	Min 30mm to Max 150mm.		
Winding Width	30 to 150 mm (1 Element) in 5 Hex Core 50 to 150 mm (1 Element) in 13 Hex Core		
Mandrel Size	5 or 13 mm Hex with change parts		
Safety Enclosure	Dust protection Enclosure for High Quality product & Safety		

Winding Configuration



General Specification

Floor space	: 1577 x 1899 x 2346 mm (W x D x H)
Machine weight	: 800 Kgs (Approx.).
Power supply	: 230V AC, 50Hz, Single phase, 3.5KW (Nominal).
Air supply	: Pressure - 6 Bar, Consumption - 6cfm.