

Smart Winder[®] SWM 250
Strip Winding Machine for Inverter Transformer



Synthesis

Features

- Strip Winding Machine *SWM 250* is designed to wind square and rectangular conductors used in Inverter Transformers.
- Sturdy & robust structure with best utilization of floor space make the machine ergonomically better for higher productivity and longer life.
- High torque spindle coupled to AC geared motor, handles single and dual conductor at higher speeds.
- Pneumatically actuated pressing rollers with quick roller change over for various bobbin sizes helps in achieving compact winding and saves overall change over time.
- Intelligent stripe guide unit facilitates uniform winding of conductors and also enables comfortable handling space to operators for manual operations.
- De-reeler type tensioning through pneumatic caliper brake for uniform tension of conductors throughout the winding cycle.
- Tension release facility to facilitate easy anchoring of the conductor without fatigue to operators.

Technical Specifications

Particulars	Model : <i>SWM-250</i>	
Swing Diameter	250 mm (max.)	
Winding Width	125 mm (max.)	
No. of Strips	2 (If Single Conductor - 65 Sq. mm; Dual Conductor - 32 Sq. mm)	
Conductor Size	Aluminium	Width: 3 to 13 mm (max.) Thickness: upto 5 mm (max.)
	Copper	Width: 3 to 10 mm (max.) Thickness: upto 3.5 mm (max.)
Spindle Motor	AC Geared Motor	
Pressing Roller	Pneumatically actuated	
Tension Control De-reeler	Pneumatic caliper brake	
Controller	PLC	
Traverse	Servo Driven	
Power	5 kW ,415V AC, 3 Phase, 50Hz	

Options

- Online programming with touch screen using high performance CNC Control System.
- Power fail recovery system to eliminate rejection of coils.
- Online spindle & traverse movement through Joy stick.

Other products

- Automatic Needle Winding Machines
- Automatic Multipole Stator Winding Machines
- Automatic Multi-spindle CNC Winding Machine
(With wrapping & cutting facility)
- Bobbinless Winding Machine
- Transformer Winding Machines
- Capacitor Winding Machines
- Special Purpose Machines

Synthesis Winding Technologies Pvt. Ltd.



H.O. & Works :

#14/A, Shanthipura Road, Electronic City, Phase II
BANGALORE-560 100. INDIA.
Phone: +91-80-30282020/35/36
E-mail : marketing@synthesis-winding.com
www.synthesis-winding.com

Regional Office (West) :

#12, Symphony C, Range Hills Road
(Off Ganesh Kind Road),
PUNE - 411 020. Maharashtra.
Phone: +91-20-25560661
E-mail : marketing@synthesis-winding.com

Regional Office (North) :

UG-11, Ansal Imperial Tower, C-Block,
Naraina Vihar, Community Centre
NEW DELHI - 110 028.
Phone: +91-11-41530848
E-mail : marketing@synthesis-winding.com