

Smart Winder® ST-1
Automatic Multi-pole Stator Winding Machine



Synthesis



Features

- Flyer-type winding head.
- Automatic 6-Axes movement for winding helps in achieving complex winding with exceptional ease
- Automatic Winding, Core Indexing, Wire cutting and wire gripping.
- Automatic Core Height Compensation to center the pole during winding helps achieve consistency in winding quality while taking care of variations in core height.
- Servo Actuated Finger opening & guide axes with customized tooling
- High speed winding for better productivity.
- Electronic wire tension controller under PLC control to achieve precise tension, programmable for different stages of winding, facilitates achieving better winding quality and flexibility in routing.
- Material exhaust sensing with Smart-detect system - to judge adequacy of material available on the spool at the beginning of each cycle reduces material wastage (Optional).
- High performance multi-axes controller in stand-alone mode with multi-program memory and PC Interface.
- Flexible menu driven programming through Windows* based Graphical User Interface (external PC) and user defined operation sequencing coupled with a powerful set of intelligent functions for achieving complex winding configurations with exceptional ease. .

Technical Specifications

Particulars	Smart Winder ST-1
Number of Spindles	1
Spindle Speed	1500 RPM
Wire Size	0.7 mm - 1.4 mm Dia.
Core Diameter	75 mm to 200 mm
Core Stack Height	10 mm to 50 mm
Weight	650 Kg (Approx.)

Options

- Customized tooling
- Servo actuated core height compensation
- Synchronised internal guide block movement

Other products

- Automatic Needle Winding Machines
- Automatic Multi-spindle CNC Winding Machine
- Semi Automatic Coil Winding Machines
- Bobbinless Winding Machine
- Flyer-Type Coil Winding Machine
- Transformer Winding Machines
- Capacitor Winding Machines
- Special Purpose Machines

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