

Smart Winder® ST-2T
Automatic Multi-pole Stator Winding Machine



Synthesis



Features

- Dual spindle flyer-type winding head for high productivity.
- Automatic core indexing driven by AC servo motor with infinitely programmable indexing angle to achieve different winding positions and wire routing paths.
- Programmable 4-position tap puller with wire clamp and cutter for automatic tap pulling and end termination eliminates manual intervention during winding resulting in higher productivity, consistency and safety.
- Positively coupled tool holder on winding head ensures precise angular positioning of wire guiding/routing fixture.
- Co-ordinated movement of winding head, core indexer & head traverse to achieve very complex wire routing configurations with ease.
- 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. Retractable 4-Position wire routing guides to achieve high quality winding and routing.
- 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 2T
Number of Spindles	2
Spindle Speed	1200 RPM
Wire Size	0.4 mm - 1.2 mm Dia.
Core Diameter	75 mm to 200 mm
Core Stack Height	10 mm to 50 mm
Weight	900 Kg (Approx.)

Options

- Automatic core unloading unit
- Servo actuated finger type tooling
- Light Curtain with safety guard for operator safety
- Customized tooling

Other products

- Automatic Needle Winding Machines
- Automatic Multi-spindle CNC Winding Machine
(With wrapping & cutting facility)
- 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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