

*Smart Winder® A Series*  
Automatic Multi-Spindle Winding Machine



**Synthesis**



## Features

- Three axes movement of wire guide with linear, circular and helical interpolation capability for conveniently executing Wind, Wrap, Cut and Position functions.
- Small moving mass gives high acceleration rates resulting in higher productivity.
- Flexible menu driven programming through Windows\* based Graphical User Interface and direct entry of coil parameters, user defined operation sequencing coupled with a powerful set of intelligent functions for achieving complex winding configurations with exceptional ease.
- High-performance CNC control system with acceleration and contouring with look-ahead function ensures high accuracy, speed and long life of mechanical components.
- Optimised design using advanced motion systems and standard precision parts reduces number of components resulting in enhanced reliability, performance & ease of maintenance.
- Wire wrapping unit with programmable 90° Nozzle tilt suitable for wrapping radial & axial pins.
- AC Servo motors for Axes and spindle control provide excellent dynamic performance and maintenance-free operations.
- Pneumatically operated self-cleaning wire anchors with 4-way programmable movement for flexibility in wire clamping and minimising wastage.

## Technical Specifications

Particulars	Smart Winder A2	Smart Winder A4	Smart Winder A6*
Number of Spindles	2	4	6
Bobbin Outer Dia.	60 mm (Max.)	40 mm (Max.)	37.5 mm (Max.)
Wire size	0.5 mm (Max.)	0.37 mm (Max.)	0.2 mm (Max.)
Spindle speed	9000 RPM	9000 RPM	9000 RPM
Machine Weight	220 Kg (Approx.)	250 Kg (Approx.)	270 Kg (Approx.)

\* Depicted in the Photograph

## Options

- Online Wire Twisting Unit
- Auto Load / Unload
- Wire Tensioners
- Winding Mandrels
- Safety Guard with Light Sensors
- Component Presence Sensors
- Air Nipper for Wire Cutting

## Other products

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

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