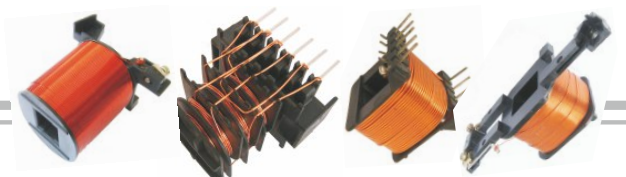


*Smart Winder® AT Series*  
Automatic Multi-Spindle Winding Machine



**Synthesis**



## Features

- Three axes movement of wire guide with linear, circular & helical interpolation capability for conveniently executing Wind, Wrap, Cut & Routing functions.
- Flexible menu driven programming through Windows\* based Graphical User Interface (external PC) 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.
- Wire wrapping unit with programmable 90° Nozzle tilt suitable for wrapping radial & axial pins.
- Robust construction using precision standard linear motion elements and manufactured parts for high accuracy and long operational life.
- AC Servo motors for Axes & Spindle control provide excellent high speed performance and maintenance-free operation.
- 4-way programmable movement for flexibility in wire clamping and minimising wastage.
- High-performance CNC control system with acceleration & contouring with look-ahead function ensures high accuracy, speed and long life of mechanical components
- Wide range of accessories like precision wire tensioners with integrated wire spool stand and custom designed tooling with quick change coupling facilitates easy change-over and optimum utilisation of the machine.

## Technical Specifications

Particulars	Smart Winder AT 4	Smart Winder AT 6	Smart Winder AT 8
Number of Spindles	4	6	8
Spindle Pitch	140 mm (Max.)	84 mm (Max.)	60 mm (Max.)
Wire size	0.2 mm to 1.5 mm	0.025 mm to 0.75 mm	0.025 mm to 0.4 mm
Spindle speed	6000 RPM	12000 RPM	12000 RPM
Machine Weight	500 Kgs. (Approx.)	550 Kgs. (Approx.)	600 Kgs (Approx.)

## Options

- Wire tensioner
- Wire twister
- Winding mandrel
- Safety guard
- Auto load and unload

## Other products

- Automatic Multi-spindle CNC Winding Machines  
(With wrapping & cutting facility)
- Semi Automatic Coil Winding Machines
- Multi-pole Stator Winding Machines
- Bobbinless Winding Machines
- Flyer-Type Coil Winding Machine
- Transformer Winding Machines
- Capacitor Winding Machines
- Special Purpose Machines

**Synthesis** Winding Technologies Pvt. Ltd.



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