

Smart Winder® Excel 1500
Transformer Winding Machine



Synthesis

Description

The Smart Winder Excel 1500 is capable of producing of large coils such as distribution, capable of handling round/strip type conductors.

A high performance PLC operated system governs the motion of spindle & traverse driven by AC Induction & Servo & Servo Motor respectively.

Tail stock with pneumatic arrangement is provided.

Features

- Closed loop spindle drive with high dynamic 1/100th turn positioning
- Computer controlled wire guide with servo motor, ball screw for excellent flexibility & high accuracy
- High performance PLC based control with menu driven programing
- Color touch screen user interface
- Remote diagnostic & maintenance facility
- PC & USB interface for transfer / archival of winding programs.
- Manual over ride control

Technical Specifications

Winding Diameter	: 500 mm (max)
Winding Width	: 600 mm (max.)
Wire Dia	: 5 mm (max.)
Coil Weight	: 250 Kgs (max) including mandrel
Centre Height	: 250 mm (from ground level)
Tail Stock	: Pneumatic Operated.

No. of Spindles	: One
Spindle Speed	: 0 -2000 RPM
Spindle Torque	: 60 Nm (max) @ 475 rpm
Spindle Drive	: Closed loop motor driven

Air Supply	: 5 Bar
Power supply	: 230 V AC, 3 Phase, 50Hz.,
Dimensions (W x L x H)	: 1400 x 650 x 1700 mm.
Machine Weight	: 500 Kgs. (Approximately)
Control System	: PLC based

Spindle Motor	: AC Induction Motor
Traverse Motor	: AC Servo
Traverse Speed	: 0 to 250 mm/sec
Traverse Resolution	: 1 micrometer
Component Loading	
Height	: 1200 mm
Speed Control	: Manual Foot pedal control (optional)
Safety Guard	: Manual Operated (Optional)

Other products

- Automatic Multi-spindle CNC Winding Machines
- Semi Automatic Coil Winding Machines.
- Distribution 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