

FULLY AUTOMATIC “AIR COIL” WINDING MACHINE

APPLICATION:

For winding self supporting coils using thermo-plastic coated wire.

The wire is heated using hot air as it is wound onto a former, bonding the turns together. At the end of the cycle, the former is then removed and the finished coil ejected from the machine.

Typical products include: RFID coils, laser heads, voice coils, magnet coils, sensor coils, vibrator coils and pancake motor coils.



Main features:

- Clamp/cut system, layer winding, coil unloading arm, wire lead picker, all fully automatic during each cycle - operatorless.
- Freely programmable pitch control & guider movements enabling precise layer winding.
- Freely programmable servo driven tailstock movements provides programmable coil width.
- Easy to integrate to other devices utilising available I/O; such as:-
 - Cold air jet,
 - Skeining unit,
 - Alcohol dispensing.
 - Electronic tensioner - with selectable tension during the wind cycle.
- 15” touch screen for easy setup, with industrial PC, network card, simple program backup to USB memory stick.
- Synchronously driven tailstock ensures precise tool alignment and allows for smaller core ID's.
- Temperature & Air flow of the hot air system is freely programmable.



We aim to be much more than a machinery supplier. Our team has a vast range of winding experience and is able to offer help and advice on all aspects of coil winding, from tooling design to machine choice and set-up.

COIL WINDING SOLUTIONS YOU CAN RELY ON

WORKING WITH LOCAL PARTNERS IN THE FOLLOWING COUNTRIES; Austria, Czech Republic, Germany, Hungary, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden.

Unit 5L, Delta Drive, Tewkesbury, Glos. GL20 8HB. United Kingdom.

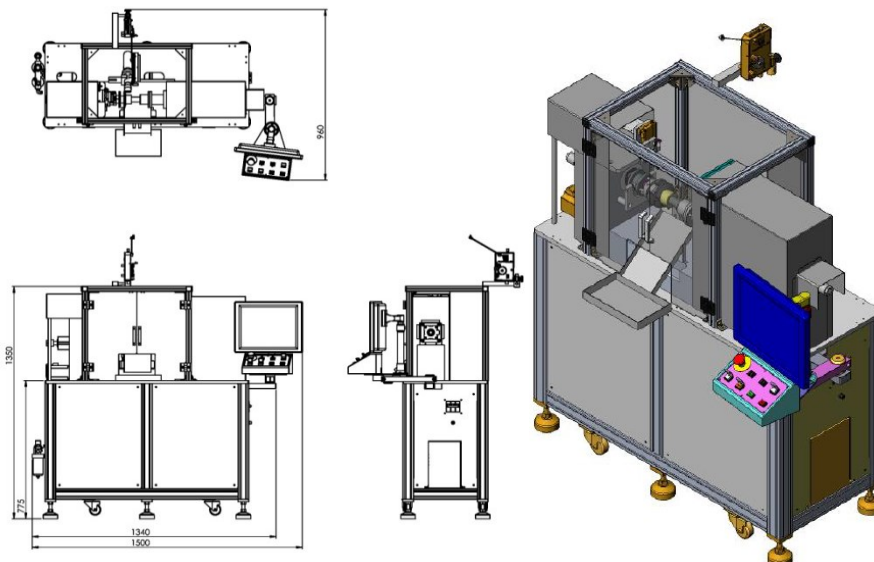


Contact us

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Main technical specifications	
Coil diameter - max	80 mm
Max Coil width larger available on request	< 25 mm
Wire size	0.04 - 0.60 mm
Motor driver	CNC 3 Axis AC servo motor synchronizing control
Controlling system - freely programmable	Windows interface PC with USB connector & DVD ROM
Programmable pitch resolution	0.001 mm
Bonding method	Hot air Max 600°C, 2.5 kW heater element Available with alcohol application
Spindle position accuracy	±0.1°
Max spindle speed	3000 rpm
Air supply // consumption	4.5-6 Bar // 80-100 L/min
Power supply	AC220V ±5% 50 Hz
Power consumption	4 kVA (including hot air bonding)
Weight (approx)	250 kg



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