



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

## E-300-EDGE WINDING MACHINE

### DESCRIPTION Small-sized bench winding machine.

Equipped with: -

- ✓ Traverse head
- ✓ Sturdy base
- ✓ Tailstock - with security sensor; avoids tool crashes
- ✓ Guider system
- ✓ Controlled by numeric PLC and electronic programming.
- ✓ Safety shielded, foot pedal (Optional).



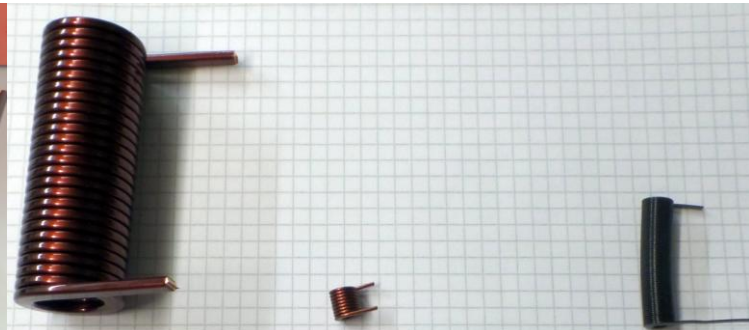
The edge machine is really a customised solution for round core (ID) single layer coils...

This machine is designed for the manufacture of chokes, inductors and flat wire wound on its thin edge.

In the winding industry there are a lot of new products using flat wire edge wound coils, each project is virtually a one off... as technically they require a completely different solution depending on the tasks.

The basic machine is specially designed construction 2 axis winder, more power / torque is required that standard winding. For leg positional accuracy, we incorporate programmable rotational resolution <0.36deg, the rest is tooling and configuration of guiders tailstock, special start lead clamping systems etc... made by our own in-house team of experts.

This machine pushed the boundaries of what is achievable in relation to the aspect ratio of wire height Vs wire width & wire height Vs coil ID, whilst reducing the trapezoidal effect to a minimum !



Coil 1  
26.5 Turns  
5.6 \* 2.8 Wire

Coil 2  
8.5 Turns  
2.0 \* 0.8 Wire

Coil 3  
80 Turns  
0.35 \* 2.45 Wire

### TECHNICAL CHARACTERISTICS.

Max. Winding length .....	90 mm
Max Wire pitching Ø .....	99 mm
Max. distance between points .....	270 mm
Max. Winding / Tooling Ø .....	120 mm
Guider precision .....	0,001 mm

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.



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Spindle Resolution ..... 0,001 turns (0.36 deg)  
 Main shaft motor ..... (Brushless servomotor)  
 Guider motor (Brushless servomotor) ..... 1.4NM  
 Electrical source ..... 220Vac - 50Hz

## Torque and speed

\*Winding shaft speed ..... 150 rpm  
 Winding shaft Torque ..... 72 Nm  
 \*Other version on request

## PROGRAMMING CHARACTERISTICS.

User interface ..... 7inch (178mm) T.Screen Color  
 No. of programmable windings ..... Max. 10,000 (per SD card)  
 No. of windings per coil ..... Max. 200  
 Software language. .... Main European  
 Type of programming ..... CNC  
 Delivery Time ..... 60 Days from order confirmation

## KEY BENEFITS OF THE NEW E-300

### Energy Efficiency

The “green efficiency” design concept of this machine reduces power consumption. All motors are synchronous and each movement has been optimised for improved energy efficiency.

### Simple & effective machine operating software

The all-new machine operating software has an intuitive graphical interface and an 7-inch (178mm) full colour touch screen - with user’s choice of language - making programming a new coil easier than it has ever been.

Programs are stored on solid-state media - directly to a standard SD memory card. This allows a fast and simple backup, with the option of Windows™ software - “WINbobbin” - for full PC connectivity.



Talk to your local partner about customising this machine to your flat wire edge wound coil requirements.

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