INGRID WEST MACHINERY LTD
www.coilwindingmachines.eu

Tel: +44(0)1684 273164
Fax: +44(0)1684 273171
Email: enquiry@ingridwest.co.uk

E-300-EDGE WINDING MACHINE

DESCRIPTION

Small-sized bench winding machine equipped with: -

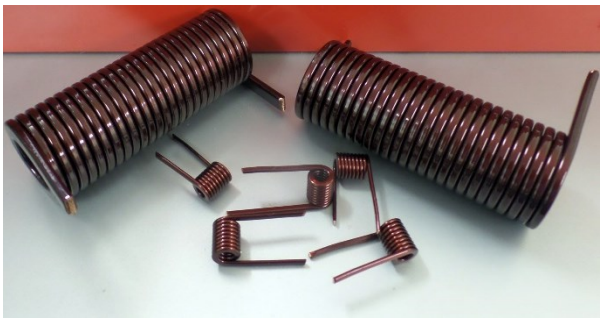
- Traverse head
- Sturdy base
- Tailstock - with security sensor; avoids tool crashes
- Guider system
- Controlled by numeric PLC and electronic programming.
- Safety shielded, foot pedal (Optional).

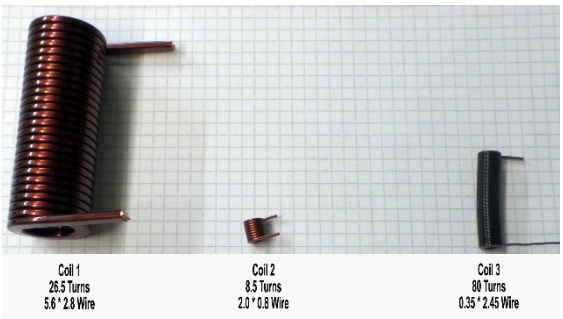
The edge machine is really a customised solution for round core (ID) single layer coils...
This machine is designed for the manufacture of chokes, inductors and flat wire wound on its thin edge.

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 !





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.

REPRESENTING erasan ACROSS EUROPE

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TECHNICAL CHARACTERISTICS

Max. Winding length ..... 90 mm
Max Wire pitching ∅ ..... 99 mm
Max. distance between points ..... 270 mm
Max. Winding / Tooling ∅ ..... 120 mm
Guider precision ..... 0,001 mm
Spindle Resolution ..... 0,001 turns (0.36 deg)
Main shaft motor ..... (Brushless servomotor)
Guider motor (Brushless servomotor) 1.4NM
Power Supply ..... 220Vac - 50/60 Hz

TORQUE AND SPEED

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

PROGRAMMING CHARACTERISTICS

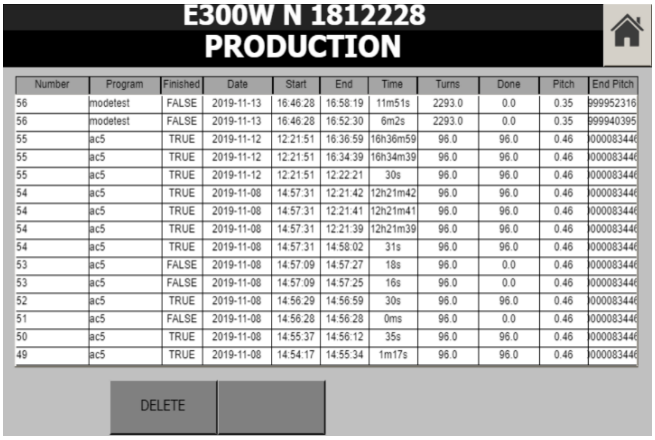
User interface ..... 7inch (178mm) T.Screen Color
No. of programmable windings ..... Max. 10,000 (per SD card)
No. of windings per coil ..... Max. 200
Software language. ..... Main European
Type of programming ..... CNC
Delivery Time confirmation ..... 60 Days from order

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.



Number	Program	Finished	Date	Start	End	Time	Turns	Done	Pitch	End Pitch
56	modetest	FALSE	2019-11-13	16:46:28	16:58:19	11m51s	2293.0	0.0	0.35	999952316
56	modetest	FALSE	2019-11-13	16:46:28	16:52:30	6m2s	2293.0	0.0	0.35	999940395
55	ac5	TRUE	2019-11-12	12:21:51	16:36:59	16h36m59	96.0	96.0	0.46	000083446
55	ac5	TRUE	2019-11-12	12:21:51	16:34:39	16h34m39	96.0	96.0	0.46	000083446
55	ac5	TRUE	2019-11-12	12:21:51	12:22:21	30s	96.0	96.0	0.46	000083446
54	ac5	TRUE	2019-11-08	14:57:31	12:21:42	12h21m42	96.0	96.0	0.46	000083446
54	ac5	TRUE	2019-11-08	14:57:31	12:21:41	12h21m41	96.0	96.0	0.46	000083446
54	ac5	TRUE	2019-11-08	14:57:31	12:21:39	12h21m39	96.0	96.0	0.46	000083446
54	ac5	TRUE	2019-11-08	14:57:31	14:58:02	31s	96.0	96.0	0.46	000083446
53	ac5	FALSE	2019-11-08	14:57:09	14:57:27	18s	96.0	0.0	0.46	000083446
53	ac5	FALSE	2019-11-08	14:57:09	14:57:25	16s	96.0	0.0	0.46	000083446
52	ac5	TRUE	2019-11-08	14:56:29	14:56:59	30s	96.0	96.0	0.46	000083446
51	ac5	FALSE	2019-11-08	14:56:28	14:56:28	0ms	96.0	0.0	0.46	000083446
50	ac5	TRUE	2019-11-08	14:55:37	14:56:12	35s	96.0	96.0	0.46	000083446
49	ac5	TRUE	2019-11-08	14:54:17	14:55:34	1m17s	96.0	96.0	0.46	000083446

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

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