

Contact us

Tel: +44 (0) 1684 273164

Email: enquiry@ingridwest.co.uk

E-1200-SGB WINDING MACHINE

DESCRIPTION.

The EZ-1200-SGB provides ultimate flexibility in terms of torque and winding speeds, provided by the innovative four ratio gearbox. It is available in two versions - "Standard" and "High Torque", according to the customer's requirement.

It is a floor standing winding machine, medium sized, equipped with head and bench in heavy gauge galvanised and welded steel, fixture plate, tailstock with security closure, guider system protection and foot pedal.

The machine is controlled by a state-of-the-art CNC with electronic programming, and is designed for the manufacture of solenoids and power and distribution transformers from 10 to 2000 KVA.

Aluminium or copper wires, including rectangular or flat wires, can be wound with a special guider.

The wide range of winding speeds, (up to 750 r.p.m.) allows primary and secondary windings to be carried out on the same machine, thus reducing the number of production processes.

The concept and design allows various accessories to be mounted as required, for end-fillers, insulation paper or foil.



TECHNICAL CHARACTERISTICS

- Wire Ø (and profile wire).....0.01 - 30 mm
- Max winding length.....1.100 mm
- Max distance between points1.200 mm
- Max winding Ø..... 800 mm
- Guiding precision 0.01 mm

The standard machine is available with either high speed or low speed gear ratios.

TORQUE AND SPEED

| Gear Position | 500 RPM Low Speed | | 750 RPM High Speed | |
|---------------|-------------------|-------------|--------------------|-------------|
| | Torque (Nm) | Speed (rpm) | Torque (Nm) | Speed (rpm) |
| 1 | 168 | 500 | 112 | 750 |
| 2 | 252 | 333 | 168 | 500 |
| 3 | 504 | 166 | 336 | 250 |
| 4 | 756 | 111 | 504 | 166 |

Various gear ratio and motor combinations are available according to the customer's requirement, including high torque versions.

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.



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Torque and speed (High Torque version):

| Gear Position | 333 RPM Low Speed | |
|---------------|-------------------|-------------|
| | Torque (Nm) | Speed (rpm) |
| 1 | 265 | 333 |
| 2 | 394 | 222 |
| 3 | 796 | 111 |
| 4 | 1194 | 74 |

Main shaft motor Brushless servo motor
 Guider motor (Brushless)..... 0.4 HP / 300 W
 Air supply..... Not required
 Power supply 3 x 380Vca - 50/60 Hz
 Max load between points (coil weight)1,000 kg
 Weight..... 1,200 kg

PROGRAMMING CHARACTERISTICS

User interface (touch screen) 10inch (254mm)
 No. of winding programs (per SD card)..... Max. 10,000
 No. of windings per coil..... Max. 200
 Type of programmingCNC
 Typical delivery time 90 Days

(Please confirm at time of order)

Key new features for this machine E-1200-SGB (Switch Gear Box).

Increased flexibility for the machine speed ranges and higher torque has been achieved by the use of a powerful brushless servo motor, and equipping the machine with a 4-speed gear box. This allows the operator to select an appropriate maximum winding speed and torque for each individual task.

The all-new machine operating software has an intuitive graphical interface and a 10-inch (254 mm) full colour touch screen - with user's choice of language - making programming a new coil easier than it has ever been.

Program storage is now done directly to a standard SD card. This allows a fast simple backup, with the option of windows™ software, WIN bobbin for full PC connectivity.



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