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E-1200 “SERVOTECH” WINDING MACHINE

DESCRIPTION.

The E-1200 “SERVOTECH” is a state-of-the-art winding machine with highly advanced features, including an automatic gearbox, energy efficient servo motors, and intelligent torque boosting technology.

It is equipped with head and bench in heavy gauge welded and galvanised steel, faceplate, tailstock with rotating centre, guider system, security closure and foot pedal.

The machine is operated by a powerful CNC with user-friendly electronic programming. The energy efficient design concept reduces power consumption. All motors are synchronous and each movement has been optimised for maximum energy efficiency.

The automatic gearbox is a new feature of the “SERVOTECH” model, enabling the appropriate gear ratio to be selected by software.

This machine is specially designed for the manufacture of solenoids and power and distribution transformers from 10 to 2000 KVA, using aluminium or copper wires, including rectangular or flat wires with a special guider.

The wide range of winding speeds (up to 485 r.p.m) permits primary and secondary windings on the same machine, thus reducing the cycle time for many 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 points.....	1.200 mm
Max winding Ø.....	800 mm
Guiding precision.....	0,01mm
Winding shaft speed (Max.)	244/485 rpm

Automatic Gear No.	Low speed Version		Flexible Versión	
	Torque (Nm)	Speed (Rpm)	Torque (Nm)	Speed (Rpm)
1	410	244	205	485
2	1232	81	1232	81

Main shaft motor	Brushless servo motor
Guider motor (Brushless)	0.4 HP / 300 W
Air supply	Not required
Electrical supply	3 x 400Vca - 50Hz
Max load between points (coil weight).....	1,000 Kgs
Approx machine weight.....	1,300 Kgs

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.



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 programming	CNC
Typical delivery time.....	90 Days

(Please confirm at time of order)

KEY BENEFITS OF THE NEW E-1200-SERVOTECH.

Automatic Gear Box

This all-new gear box is electronically controlled; the gear ratio specified within the winding program is selected automatically with no operator intervention. During the programming process, the machine software will “suggest” an appropriate gear to use according to the winding speed that has been entered. If required, this can be overridden by the user by simply selecting the preferred gear ratio.

Energy Efficiency

To assist our customers to compensate for ever-increasing energy costs, the E-1200 “SERVOTECH” has been designed for maximum energy efficiency. All of the machine movements have been optimized in order to reduce power consumption to a minimum.

Simple & effective machine operating software

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

Program storage is directly to a standard SD memory card. This allows a fast, simple program backup, with the option of Windows™ software, “WINbobbin” for full PC connectivity.

Torque Boost

An increase in available torque of up to 30% is provided by the use of a servo motor cooling fan. In line with the energy efficient design concept, the cooling fan is intelligently controlled by the machine software, and is only activated “on demand”.

Accessories

The wide range of accessories designed to work with the E-1200 “SERVOTECH” includes guiders for round and square wires, wire tensioning and de-reeling systems, paper and insulation material feeders.



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