

## WH 764 FOUR SPINDLE COIL WINDING MACHINE

### SPECIFICATION

|                      |  |
|----------------------|--|
| <b>Program</b>       | Microprocessor controlled, capable of holding 999 program sequences, which may be run independently or in selected blocks for compound windings.                               |
| <b>Control</b>       | Spindle drive - High torque brushless DC induction motor producing a max torque of 78.5 Ncm.<br>Traverse - Constant current driven 4-phase stepper motor.                      |
| <b>Application</b>   | Nozzle type wire feeder heads on each spindle; these have adjustable parallelism so that multiple winding may be carried out. Each spindle is fed via a separate tension unit. |
| <b>Package</b>       | Includes 4 x nozzle type wire feeder heads, 4 x tension units, and comprehensive manual.   |
| <b>Wire size</b>     | 0.02 - 0.6 mm  |
| <b>Max pitch</b>     | 10 mm  |
| <b>Winding Width</b> | 100 mm (max)   |
| <b>Bobbin dia.</b>   | 100 mm (max)   |
| <b>Max speed</b>     | 6000 rpm   |
| <b>Power</b>         | AC 230 / 110<br>V $\pm$ 10%, 50 - 60 Hz  |
| <b>Dimensions</b>    | 1000 x 500 x 1000 mm   |
| <b>Net weight</b>    | 60 kg  |
| <b>CE cert. no.</b>  | 1377-CI-32017.R1   |



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.



## TENSIONERS - FINE WIRE, LOW COST

### SPECIFICATION

These mechanical tensioners provide precision control of winding tension for wires in the range from 0.02 mm to 2.0 mm.

The arm position provides feedback to the system, adjusting the main friction wheel to regulate and maintain constant tension during the winding cycle.

Felt pads provide pre-tension and remove dust and other debris from the wire.

Ceramic eyelets and roller guides at each point of contact protect insulation from mechanical damage, and guide the wire.

The performance of these units is exceptional given the low cost, providing outstanding value for money.



Models TC3S ~ TCM



Model TCL-X / TCLL-X

\* The wire sizes shown are a guide only, for copper magnet wire at recommended "Standard Tension".

The tension required in practical applications may vary considerably.

| Model Type | Min Tension (grams) | Max Tension (grams) | Min Wire Gauge (mm) * | Max Wire Gauge (mm) * |
|------------|---------------------|---------------------|-----------------------|-----------------------|
| TC3S       | 2                   | 11                  | 0.02                  | 0.04                  |
| TCSS-X     | 7                   | 30                  | 0.03                  | 0.06                  |
| TCSS       | 9                   | 50                  | 0.04                  | 0.08                  |
| TCS-E      | 20                  | 130                 | 0.06                  | 0.13                  |
| TCS        | 40                  | 200                 | 0.08                  | 0.16                  |
| TCM        | 90                  | 500                 | 0.16                  | 0.25                  |
| TCL-X      | 200                 | 2000                | 0.20                  | 0.60                  |

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