



[www.coilwindingmachines.eu](http://www.coilwindingmachines.eu)

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

## WH 520 Two spindle "Fly winding" machine.

### Specification

|               |  |
|---------------|--|
| Program       | Microprocessor controlled, capable of holding 999 program sequences which may be run independently or in selected blocks for compound windings.  |
| Control       | Spindle drive-High torque brushless DC induction motor producing a max torque 78.5 Ncm.<br>Traverse - Constant current driven 4-phase stepper motor.<br>Index - Constant current driven 4-phase stepper motor. |
| Application   | Nozzle type wire guides feed each spindle. Each guide is fed via a separate tension unit. With the <i>Fly winding</i> principle, wire is wound around the stationary core - ideal for motors.                  |
| Package       | Includes 2 x nozzle wire guides, 2 x tension units and cover tape attachment, with comprehensive manual.   |
| Wire size     | 0.03 – 0.6 mm  |
| Max pitch     | 10 mm  |
| Winding width | 70 mm (max)  |
| Motor OD      | 8 - 50 mm  |
| Motor Height  | 20 mm (max)  |
| Max speed     | 3000 rpm   |
| Power         | AC 230 / 110V ± 10%, 50-60hz   |
| Dims          | 700 x 350 x 100 mm   |
| Net weight    | 65 kg  |
| CE cert. no.  | AE9955093 01   |



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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## Tensioners - Fine wire, low cost.

### Specification

These mechanical tensioners provide precision control of winding tension for wires in the range from 0.02mm to 0.5mm.

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.



Model TCL

Models TC3S - TCM

| Model Type | Min Tension (grams) | Max Tension (grams) | Min Wire Gauge (mm) | Max Wire Gauge (mm) |
|------------|---------------------|---------------------|---------------------|---------------------|
| TC3S       | 2                   | 12                  | 0.02                | 0.04                |
| TCSS-X     | 7                   | 30                  | 0.035               | 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        | 180                 | 2000                | 0.20                | 0.65                |

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