



## 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

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.

*Ingrid West Machinery*

**~ 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.