

Model TLW Series Micro-computer Controlled Spring Tension & Compression Testing Machine
ISO9001 International Quality Certificate



TLW-500,1000,2000,5000,500I,
1000I,2000I,5000I



TLW-(5000),10000,20000,(5000I),
10000I,20000I

Main Applications:

The tester is mainly used for carrying on intensity test, mechanics performance and process capacity analysis of various kinds of springs.

Main Features:

- The software consists of function modules such as speed control, parameter input, data processing, result observation, record retrieval, chart display & print, data storage, etc.
- Diversified testing methods: test of residual height and deformation of spring under pre-set testing load; test of testing load under preset height or deformation of spring, etc.
- Multiple points data auto-collection: avoid the impact of spring stress on the testing data. Thus the total testing process is completely automatic.
- Overload protection and thus keep the load cell free of damage.
- Powerful data-processing and statistic functions; able to plot stiffness curve, calculate spring segment stiffness, plot the normal distribution curve, calculate the index of process capability, etc.
- Stable and reliable operation and accurate measurement powered by the drive system which is constituted by CNC Motor speed-control system or imported advanced AC servo speed-controller as well as its motor and

Main Technical Specifications:

Model Specifications	TLW- 500/500I	TLW- 1000/1000I	TLW- 2000/2000I	TLW- 5000/5000I	TLW- 10000/10000I	TLW- 20000/20000I
Max. test load (N)	500	1000	2000	5000	10000	20000
Classification of testing machine	Class 0.5, Class 1					
Effective testing space (mm)	650			650	1000	
Diameter of compression plates (mm)	110			130	200	
Min. reading of displacement (N)	0.01					
Loading speed (mm/min)	50-500/0.05-500			60-600/0.05-600	50-500/0.05-500	
Power supply	AC, 220V 50HZ					