Main Applications:

TNS-S series testing machine is mainly used for testing the torsion angle and torque of various torsion springs, coil springs, elastic components and other friction structures.
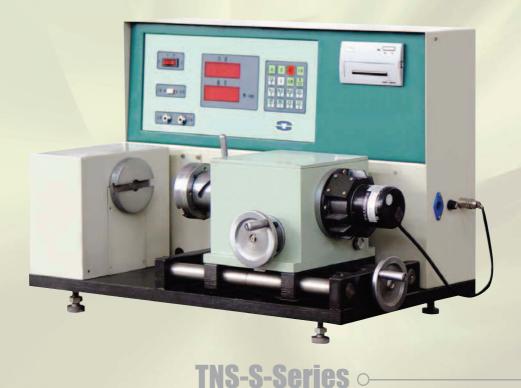
Main Features:

The tester consists of torsion transducer, photoelectric encoder, measurement amplifying circuit and single chip processor. The torsion angle and torque are digitally displayed.

It can pre-set the upper and lower limits of torques for 4 points and automatically check whether the four test points are qualified.

Automatically revise the angle displacement of torsion transducer.

Functions of peak value holding, overload protection, torque stiffness calculation and data retrieval, etc.

TNS-S-Series

Main Technical Specifications:

Specification	TNS-S500	TNS-S1000	TNS-S2000	TNS-S5000	TNS-S10000	TNS-S20000	TNS-S50000	TNS-S100000
Max. test torque (N.mm)	500	1000	2000	5000	10000	20000	50000	100000
Min. test torque of reading (N.mm)	0.05	0.1	0.2	0.5	1	2	5	10
Classification of machine	Class 1							
Max. Value torsion angle (•)	9999.9							
Max. Value torsion angle (•)	0.1							
Max. distance between the two torsion plates(mm)	160				260			
Power supply	220V 50Hz 1phase							