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Spring Compression And Tensile Testing Machine

Product description:

Introduction: This machine adopts electric loading and deceleration system to reduce the speed and drive the precision ball screw to load, which realizes the digital adjustment of the data acquisition



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Introduction:

This machine adopts electric loading and deceleration system to reduce the speed and drive the precision ball screw to load, which realizes the digital adjustment of the data acquisition and control process. It can test and analyze the tensile force, pressure, displacement and stiffness of precision springs such as tension springs, compression springs, disc springs, tower springs, leaf springs, circlips, leaf springs, composite springs, gas springs, mold springs, and special-shaped springs.

The machine has no pollution, low noise, high efficiency, and has a wide range of speed regulation, which fully meets the requirements of relevant national and international standards.

The machine is widely used in aerospace, machinery manufacturing, spring production enterprises, home appliances and other industries for spring inspection and analysis. It is an ideal test equipment for research institutes, universities, industrial and mining enterprises, technical supervision, commodity inspection and arbitration departments.

Parameter:

Model	TLS-10/20/30	TLS-50	TLS-100	TLS-200/300
Max. Testing force	10KN/20KN/30KN	50kN	100kN	200KN/300KN
Structure	Door Type			
Control type	Computer control			
Accuracy	1 class			
Testing range	2% ~ 100%F·S			
Relative error of test force indication	≤±1%			
Relative error of displacement indication	≤±1%			
Displacement display resolution	0.01mm			
Deformation indication error	≤± (50+0.15L) um			
Speed range	0.05-1000 mm/min	0.05-500 mm/min	0.05-500 mm/min	0.05-200 mm/min
Diameter of compression plate	110mm			
Power	AC220V±10% , 50Hz			