

AUTOMATIC SPRING TESTING MACHINES

CUSTOMIZABLE



SRT-D50K



SRT-D1000K

- Suitable for static testing of various springs and spring assemblies
- High-precision and high-stability embedded computer measurement & control system
- Six-column gantry high-rigidity frame equipped with four lead screws and double guide rails to realize four-sided parallel loading
- Three load cells arranged in a triangular layout to eliminate eccentric loading caused by misaligned specimen placement
- Real-time acquisition of load-displacement curves and other test data; automatic saving and printing of test reports. The system supports multi-condition data query for efficient management of massive test data

SPECIFICATION

Code	SRT-D50K	SRT-D100K	SRT-D200K	SRT-D300K	SRT-D600K	SRT-D1000K
Max. test force	50kN	100kN	200kN	300kN	600kN	1000kN
Range of test force	1%~100%FS					
Resolution of test force	1/100000FS					
Accuracy of test force	±0.5%					
Micro-feed resolution	±0.01mm					
Resolution of displacement	0.01mm					
Accuracy of displacement	±(50+0.15L)μm (Note: L is the distance between two compression fixtures, mm)					
Speed range	1~500mm/min		1~350mm/min			
Max. compression spring height*	1000mm					
Max. tension space*	1050mm					
Diameter of compression fixture*	Ø280mm		Ø400mm		Ø500mm	
Power supply	AC 220V, 50Hz, 3kW		AC 380V, 3Ø, 50Hz, 5.5kW		AC 380V, 3Ø, 50Hz, 7.5kW	
Dimension (L*W*H)	1400×800×2500mm		1630×800×2500mm		2100×2300×4100mm	
Net weight	670kg		2000kg		7000kg	

*Can be customized according to test requirements

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Measurement Software	1 pc
Printer	1 pc
Pull clamp	1 pc
Compression fixture	1 pc