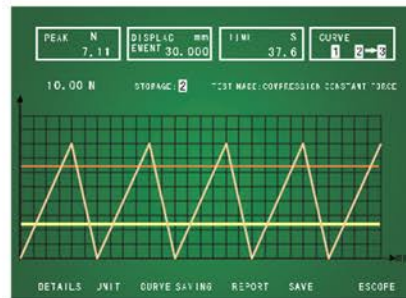
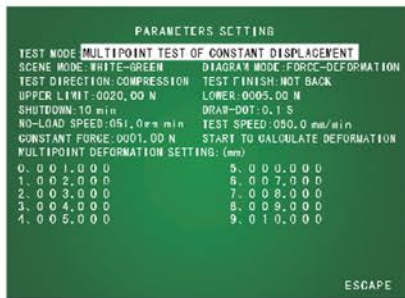


## SDS Series Full-Automatic Spring Tester

SDS is a Full-automatic spring tester which adopts advanced electronic technique and accurate mechanical drive with high precision sensor. The tester could be used in spring/rubber/ compression and tension.

### Product feature

- 800x480 pixel, TFT colorful screen with touch functions, Peak/real-time value/force curve display at the same time.
- Different test mode for different spring test requirements: Constant force mode, Constant displacement mode, constant force circle mode, constant displacement circle mode, constant force multipoint test mode, constant displacement multipoint test mode.
- Save 10 test value and 3 groups curve test, could view the value of every point on curve, test report could be printed by printer inside.
- Four unit option: N、kgf、 lbf、 ozf, automatic exchange.
- Automatic calibration of displacement zero.
- Automatic back to start location after test finish.
- Two speed mode, high speed approach and low speed collect.
- Protection functions of mechanical limit/over-load Automatic stop/scram.
- High precision ball screw, better drive efficiency and high accurate displacement.
- Servo drive system, low noise and good stabilization.
- High accuracy sensor, better test precision.
- Automatic off mode without any operation, time is set freely.
- Patent number: ZL200910054091.6/ZL201020263512.4/  
ZL20132 0336788.4/ZL201320337159.3/ZL201320339173.7/  
ZL201320338573.6/ZL201320338699.3/ZL201310232475.9.



Display interface

SDS Series Full-automatic spring tester

### Parameter

Model	SDS-10	SDS-100	SDS-500	SDS-1000
capacity	10N	100N	500N	1000
Resolution	0.001N	0.01N	0.05N	0.1N
Force Accuracy	1%~100%FS			
Force test range	±1% (test range<10%FS) , ±0.5% (test range>10%FS)			
Test Speed	0.5~500mm/min			
Speed Accuracy	±2% (test range<10%FS) , ±1% (test range>10%FS)			
Replacement Resolution	0.001mm			
Stroke	170mm			
Max free length for spring	170mm			
Platen Diameter	φ50mm			
Unit	N、kgf、 lbf、 ozf			
Power	AC 220V±10% 50、60Hz			
Work temperature	20±10°C			
Work environment	No shock and causticity around			
Transportation temperature	-27°C~+70°C			
Dimension	460×370×615mm			
Weight	About79kg			

## SJX-500H

- Dimension: L×W×H(mm) 580×210×320; Weight: about 28.4kg; Capacity: 500N; Stroke: 210mm.
- Stepless speed adjusting, digital display speed: 50-500mm/min.
- Can be configured (purchase additionally): SN, SH/SP(Sensor Inside) push pull force gauge, various clamps.



SJX-500H (SH)



SJX-500H (SN)



SJX-500H (SP)

## SJY Electric Vertical Test Stand

SJY Electric Vertical Test Stand, equipped with push pull force gauge, can be fitted to perform a variety of force tests, such as tension/compression test, insertion/withdraw test, and destructive test. Good stability, wide application, convenient usage with stepless speed uniform motion and manual & automatic control switch functions.

### SJY-500

- Dimension: L×W×H(mm) 430×240×570; Stroke: 250mm; Weight: about 24.2kg.
- Testing speed: 50-250mm/min, max load: 200N; 250-500mm/min, max load: 500N.
- Can be configured (purchase additionally): SN, SH/SP(Sensor Inside) push pull force gauge, various clamps.

### SJY-1000

- Dimension: L×W×H(mm) 410×270×970; Stroke: 520mm; Weight: about 31.2kg.
- Testing speed: 50-250mm/min, max load: 500N; 250-500mm/min, max load: 1000N.
- Can be configured (purchase additionally): SN, SH/SP(2N-1KN) push pull force gauge, various clamps.



SJY-500 (SN)



SJY-500 (SH)



SJY-1000 (SH)

## SJH-500 Electric Horizontal Test Stand

SJH-500 Electric Horizontal Test Stand with double pillars, equipped with push pull force gauge, is specialized for tension/compression, insertion/withdraw and destructive test. Good stability, wide application, convenient usage. In addition, it has stepless speed uniform motion and manual & automatic control switch functions.

- Dimension: L×W×H(mm) 580×175×320; Weight: about 28.4kg; Capacity: 500N; Stroke: 210mm; Testing speed: 50-500mm/min.
- Can be configured (purchase additionally): SN, SH/SP (Sensor Inside) push pull force gauge, various clamps.



SJH-500 (SH)



SJH-500 (SN)



SJH-500 (SP)



**SciLution**

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