
Three - axis Load Stroke Curve Tester

Model: SR-201

Summary:

This tester is suitable for various stress tests. set coordinates, then do test automatically, record and display the test values. All the information/data can be stored (test conditions, load-displacement curves, life curves and check report. etc.) On the keyboard, screen, display, pad multipoint pressure automatic measurements and rebound.



- 1, Coordinate input can be entered manually. It can also be entered in the input matrix. (Meet the demand of different test sequence.)
 - 2, It can set the Z axis coordinates to raised specific points automatically to avoid product specific point above normal height.
 - 3, It can automatically judge test result when a version testing finished, with red-green color distinguish specialize test result.
 - 4, Automatic statistics, for testing a version of the cycle
 - 5, Each group automatically calculates the defective rate and total number of test.
 - 6, Test data is comparable with international branded testing machine.
 - 7, It can do a stress test on the screen, display multi-point stress test and PDA stress test.
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Test Items:

- General product automatic multipoint strength test.
- Buttons (keyboard) curve test (multipoint displacement automatically).
- LCD pressure resistance test (multipoint displacement automatically).
- Stress life test (multipoint displacement automatically).

Select Functions:

- Function of testing force and displacement on conduction point.
- Setting the value of impedance on Conduction point .
- Dynamic impedance test system.

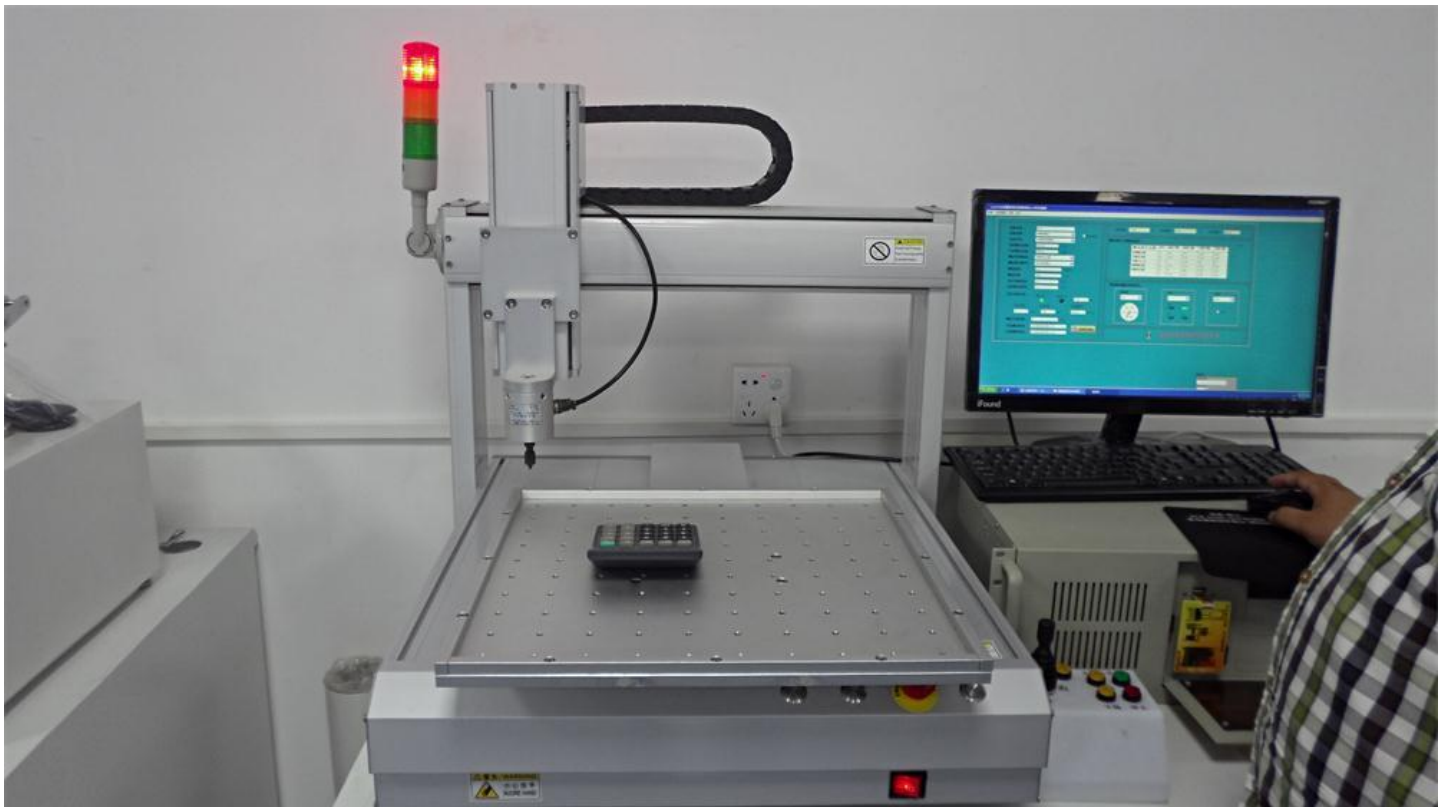
Features:

1. Can input X-Y coordinate, the tester will automatically test.
2. Can input Max test stroke and load, Computer system automatically control and test.
3. Can set load, when value reaches the setting value,teater will pause or return.
4. Can set test stroke, when it reaches the setting value, tester will pause or return.
5. Can print and store graphics.(load-stroke curve, lifetime curve, test reports)
6. Test data are stored on the hard disk.(each data can be stored. Unlimited)
7. Test conditions are set by computer. Including load, stroke, speed, frequency, air compression, time of pause, etc.
8. Test report can be saved to Excel to edit or output directly.

Specifications

Motor	Panasonic servo motor
Transmission Structure	Ball spiral welding
To X-axis , maximum range of movement	400mm
To Y-axis , maximum range of movement	250mm

To Z-axis , maximum range of movement	100mm
Maximum speed in X/Y-axis	500mm/min
To Z-axis ,Maximum measurement speed	200mm/min
Minimum trimming distance	0.01mm
Main unit dimension	650mm(L)*850mm(W)*900mm(D)
Main unit weight	100Kg
Voltage	AC220V
Net weight of the control system	0.1gf
Load cell	1Kgf or 2Kgf or 5Kgf
Load minimum read value	0.01g
Probe specifications	Individual sensors correspond to diameter of 2, 4, 6, 8, 10MM



Software Screenshot:

(Note: Chinese Version and English Version can be provided, below Chinese version for reference)

XYZ三轴全自动荷重试验机****HongQiSheng Precision Electronics (QinHuangDao)CO., LTD

File 归零(Z) 设备(S) 执行(T) 2014/12 V5

行程 0.000 mm 荷重 0.07 ε 电阻值 3000.00 mΩ

测定项目及规格设定:

测定项名称	符号	荷重下限	荷重上限	行程下限	行程上限
峰点1荷重值(去)	Pk1	0.00	0.00	0.000	0.000
谷点1荷重值(去)	Bt1	0.00	0.00	0.000	0.000
Click Force/Rate	Ck	0.00	0.00	35.0	55.0
峰点1荷重值(回)	rPk1	0.00	0.00	0.000	0.000
谷点1荷重值(回)	rBt1	0.00	0.00	0.000	0.000
	R	0.00		0.000	0.000
	T/D	0.00		0.000	0.000

测定器及单位设定

荷重感应器

20N

超过荷重负载
将损毁感应物



荷重单位

ε

优良的品质必
需精确的量测



电阻单位

SA101R

None

300.0 mΩ

30.000Ω 30.000kΩ

300.00Ω 300.00kΩ

试验名称:

试验类别: 动点测量

测试项目: A DOME

荷重测定范围: 500.00 ε

行程测定范围: 15.00 mm

行程原点位置: 荷重零点位置

行程原点检出: 每次检出原点

去测定速度: 30 mm/min

测定总次数: 8000

每次等候时间: 0.0 sec

每次等候位置: 零点上方 零点下方

回转暂停时间: 1.00 mm

打点 数据判定

测定结果保存

测定值 波形图

测定完成次数: 52

测试开始时间: 2015/01/22 10:30:00

测试结束时间:

FFFF.vi

参数设定

XY速度 mm/s

分组数

比率

NG重测次数

打点测试座标

X座标放大比率

Y座标放大比率

X座标起点

Y座标起点

X座标 A-B打点间隔时间s

Y座标 B-C打点间隔时间s

C打点暂停时间s

启用

File 装置 (D) 编辑 (E) 点坐标位移

开启档案 (O) Ctrl+O
 开启打点档案 (P) Ctrl+P
 预设值储存 (D) Ctrl+D
 结束 (E) Ctrl+E

X 0.00 Y 0.00 已保存!

Z 0.00 次数 1.00 坐标保存 打点档案: %

次数	X	Y	Z	次数
2	12.00	30.00	0.00	1
3	12.00	40.00	0.00	1
4	12.00	50.00	0.00	1
5	12.00	60.00	0.00	1
6	12.00	70.00	0.00	1
7	12.00	80.00	0.00	1
8	12.00	90.00	0.00	1
9	12.00	100.00	0.00	1
10	12.00	110.00	0.00	1
11	22.00	110.00	0.00	1
12	22.00	100.00	0.00	1
13	22.00	90.00	0.00	1
14	22.00	80.00	0.00	1
15	22.00	70.00	0.00	1
16	22.00	60.00	0.00	1
17	22.00	50.00	0.00	1
18	22.00	40.00	0.00	1
19	22.00	30.00	0.00	1
20	22.00	20.00	0.00	1
21	22.00	20.00	0.00	1

特性名称 X_轴向 Y_轴向

XY-位移量 (Shift)

执行结束位置

打点XY-位移量

矩阵

矩阵起点

X坐标: 12.00 确认 取消

Y坐标: 20.00

矩阵大小

列数 (Rows): 5 行数 (Columns): 10

列间隔距离: 10 行间隔距离: 10

矩阵点顺序

先列后行双向 先行后列双向 先列后行单向 先行后列单向

Y 0.00 已保存!

Z 1.00 坐标保存 打点档案: %

设备*****ITZ二轴全自动重量试验机

File 装置(D) 编辑(E) 点坐标位移

点位置坐标的编辑: D:\111111

编号	X	Y	Z	次数
1	4.29	2.86	0.00	1
2	13.23	10.77	0.00	1
3	24.92	2.88	0.00	1
4	33.68	10.58	0.00	1
5	45.18	2.65	0.00	1
6	54.44	10.68	0.00	1
7	65.78	2.55	0.00	1
8	74.88	10.25	0.00	1
9	86.20	2.29	0.00	1
10	95.30	10.24	0.00	1
11	106.64	2.29	0.00	1
12	115.83	9.59	0.00	1
13	127.33	1.83	0.00	1
14	136.14	9.40	0.00	1
15	147.77	1.69	0.00	1
16	156.82	9.29	0.00	1
17	168.28	1.26	0.00	1
18	177.41	9.51	0.00	1
19	188.75	1.36	0.00	1
20	197.81	9.22	0.00	1
21	200.28	1.05	0.00	1

X: -0.01 Y: 0.00 Z: 0.00 次数: 1.00

坐标保存 打点档案: B

插入一个点

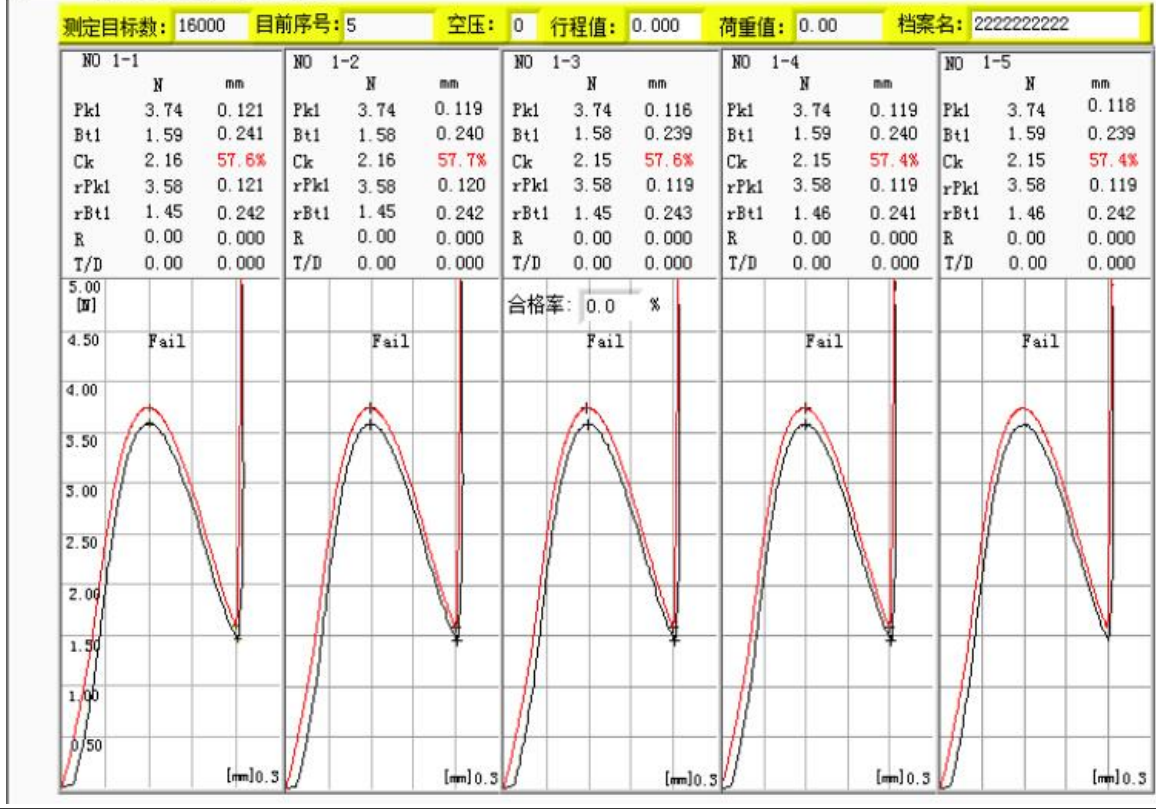
插入序号: 0 X: 0.00 y: 0.00 z: 0.00 次数: 0.00

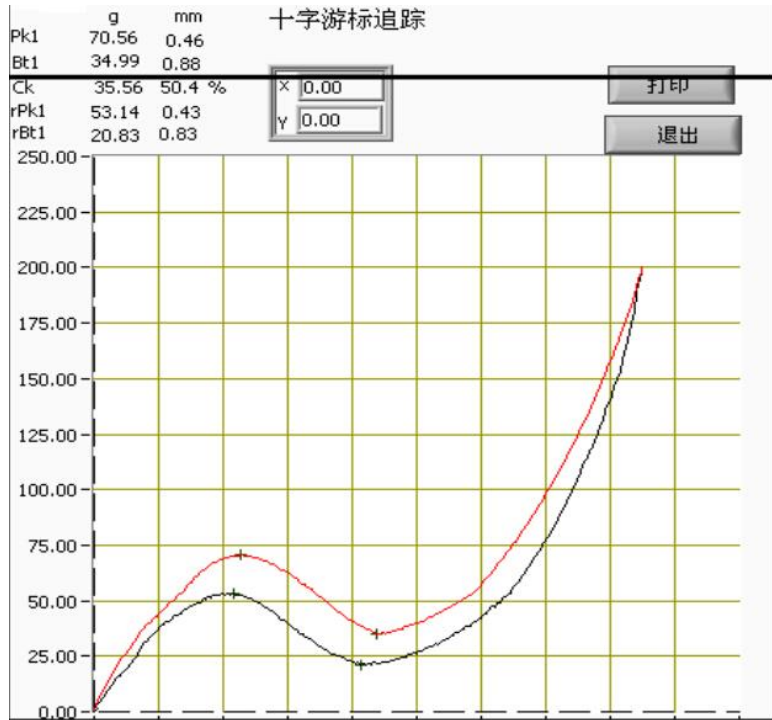
OK CANCEL

特性名称	X_轴向	Y_轴向
XY-位移量(Shift)	0.00	0.00
执行结束位置		
打点XY-位移量	0.00	0.00

测定回面****HongQiSheng Precision Electronics (QinHuangDao)CO., LTD

Operate 功能 归零 图形 列印 停止





文字报表印出

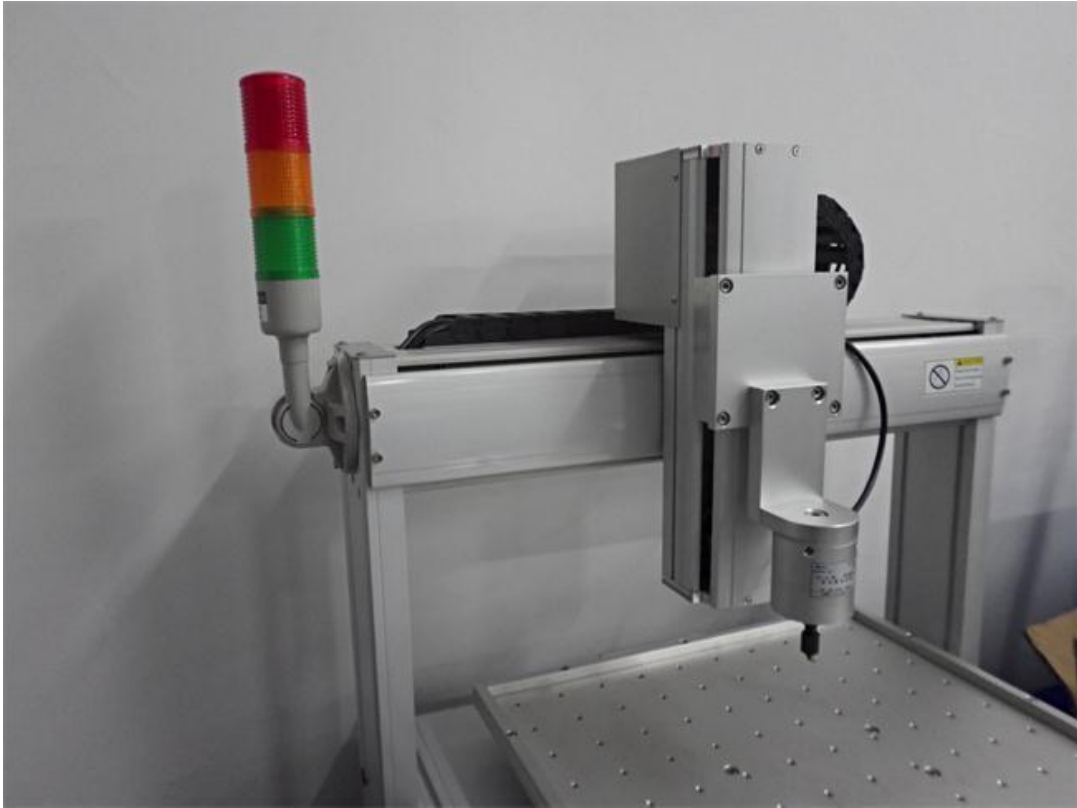
列印

产品名称:	客户名称:
产品型号:	测试日期:
制造批号:	

	Pk1(g)	Pk1(mm)	Bt1(g)	Bt1(mm)	Ck(g)	Ck(%)	rPk1(g)	rPk1(mm)	rBt1(g)	rBt1(mm)
Upper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Maxi	165.20	0.10	85.77	0.17	80.89	50.78	161.30	0.10	79.92	0.17
Mini	157.39	0.09	77.47	0.17	72.92	46.14	152.51	0.09	72.92	0.17
Rang	7.81	0.01	8.30	0.01	7.98	4.64	8.79	0.01	7.00	0.01
Avrg	159.67	0.10	81.40	0.17	78.27	49.03	155.96	0.09	77.31	0.17
Sdev	2.35	0.00	2.83	0.00	2.34	1.45	2.52	0.00	2.30	0.00
Cpk	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Pk1(g)	Pk1(mm)	Bt1(g)	Bt1(mm)	Ck(g)	Ck(%)	rPk1(g)	rPk1(mm)	rBt1(g)	rBt1(mm)
1-1	165.20	0.10	85.77	0.17	79.43	48.08	161.30	0.10	78.78	0.17
1-2	161.30	0.09	81.87	0.17	79.43	49.24	154.62	0.09	77.15	0.17
1-3	158.04	0.09	81.54	0.17	76.50	48.40	153.81	0.09	74.87	0.17
1-4	159.51	0.10	78.61	0.17	80.89	50.71	155.92	0.10	76.17	0.17
1-5	157.39	0.09	77.47	0.17	79.92	50.78	152.51	0.09	72.92	0.17
1-6	159.51	0.10	79.59	0.17	79.92	50.10	157.06	0.10	79.43	0.17
1-7	157.71	0.09	79.59	0.17	78.12	49.54	154.30	0.09	76.50	0.17
1-8	160.97	0.09	84.15	0.17	76.82	47.72	158.37	0.09	79.92	0.17
1-9	159.02	0.10	80.24	0.17	78.78	49.54	156.41	0.09	77.47	0.17
1-10	158.04	0.10	85.12	0.17	72.92	46.14	155.27	0.09	79.92	0.17



After-sales Service



- 1) 12 months product warranty. Free components will be provided if any performance failure occurs within 12 months caused by non-human damage.
- 2) If you face any problems in future during testing process, We will serve as a technical adviser for lifetime, give you a reply within 48 hours and the solution provided within 3 working days.
- 3) We will provide some guidance for the normal use of the machine, and in the case of the machine is not used for a long time, protection guidance provided, then keep the good performance of the machine.
- 4) We can offer operation video and operation manual, also can provide video-conference.
- 5) If necessary, on-site service will be provided, but the transport and travel expense shall be borne by customer.

Cooperation Customer

Together create a better future

SUNRISE Factory

