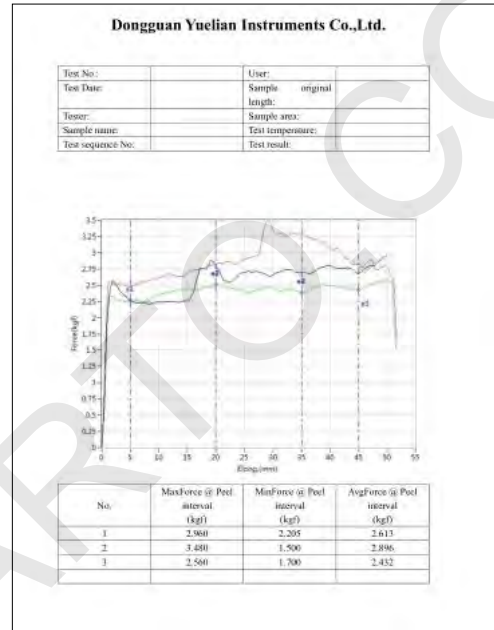


# YL-S90 Computer-control material testing machine

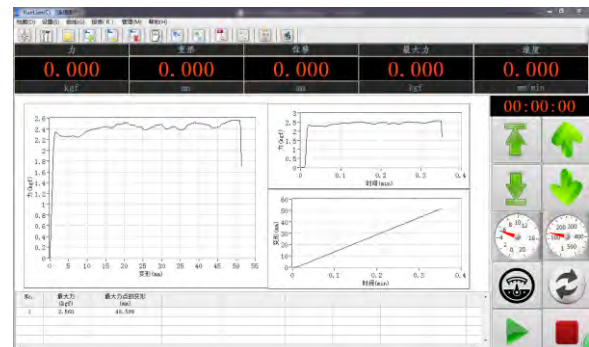
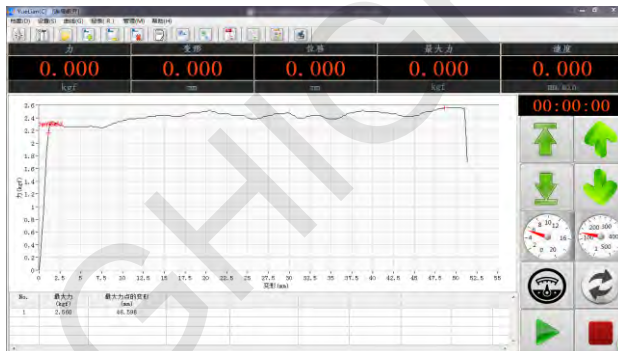
## Introduction

This tester is designed for conduct tensile, compression, bending, shearing, bonding strength, peeling, tearing and other tests for rubber, plastic, leather, metal, nylon line, fabric, paper, aviation, packaging, construction, petrification, electrician, vehicle and other materials. It is a basic equipment of quality control, receiving inspection, physical test, mechanics research, material development.



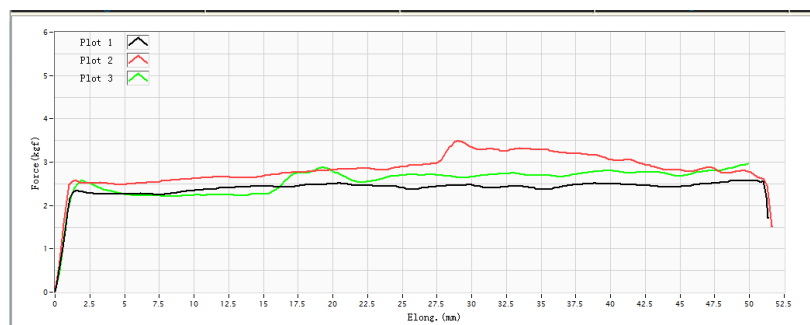
Test result(EXCEL,PDF Etc.)

## Software display



- Force
- ✓ Force
- Stroke
- MaxForce
- Elong.
- Elong.Rate
- Stress
- MaxStress
- Strain
- F/Width
- F/Thickness
- MaxForce
- Stroke/Time
- Force/Time

Various unit



Multiple test curve

## Specification

Capacity/Loadcell	10N, 20N, 50N, 100N, 200N, 500N, 1KN
Display	Computer display mode
Force Resolution	1/500,000
Force Accuracy	$\leq \pm 0.1\%$
Stroke Resolution	1/500,000
Stroke Accuracy	$\leq \pm 0.1\%$
Test Stroke	500 mm
Test Width	$\varnothing 140$ mm
Test Speed	0.5~600mm/min, can set by computer, with up & down fast adjustment button of grips
Force Switch	N、kN、gf、kgf、lbf、kP、tf(SI)、tf(long)
length Unit	mm、cm、Inch、m、km、um
Stress Unit	Pa、Kpa、Mpa、Gpa、KN/m <sup>2</sup> 、N/m <sup>2</sup>
Stop Mode	Overload stop, emergency stop button, specimen damage automatic stop, upper & lower limit set automatic stop, automatic reset function
Machine Dimension	40×30×92cm(W×D×H)
Machine Drive	Servo motor drive
Power	180W
Machine Weight	Approx 28kg
Power Supply	220V 50/60HZ 10A
Standard Device	Loadcell, software, USB computer connection wire
Optional	Personal computer, grips

## Machine structure

AC servo motor drive, precision ball screw drive;

Screw shield using aluminum extrusion, surface blasting, anode satin handle, exquisite;

Shell selection of advanced electrostatic spray treatment, durable;

Vertical stroke trim switch;

Quick release connectors, you can easily switch to a different function fixtures;

Machine protection: over-travel, over capacity protection, emergency brake switch;

## Machine function

1. Powerful data analysis and statistical curves graphical analysis aids, with zoom, pan, crosshairs, and take other functions.
2. Several historical test data can be transferred to the graphics displayed simultaneously comparative analysis done.
3. Up to 7 interval setting, 40 manual taking points, 120 automatic pick point function. With the maximum, minimum, average, to the level of the average, median, standard deviation, population standard deviation, CPK values and other statistics.
4. Test curve shows: during the test in real time and can be a show of force at the same time - displacement, force - time, displacement - time, stress - strain curve, can easily switch to the screen to see the curve;
5. Custom test methods: with the speed, position shift, given the strength, will power rates, given stress, stress rate constant, constant strain, strain rate and other fixed control mode, enabling complex multi-step control can be nested loop. set automatic return, automatic judgment fracture, auto-zero function.
6. Positive and negative force sensor can be switched;



شرکت دقیق پرتو  
تامین کننده تجهیزات آزمایشگاهی و کنترل کیفی

۰۲۱-۶۶۹۳۷۲۱۴

## Packing

Packaged weight: 88KG;

Packaged dimensions: 55 × 53 × 123cm (W\*D\*H)

Packaged Volume: 0.358 m<sup>3</sup>;

Packing: protective film, plywood standard export wooden box  
HS Code:9031809090

## Optional clamps(for reference)



www.yuelian.com.tw



www.yuelian.com.tw



www.yuelian.com.tw

YG-T003A plane cloth clamp

YG-C003A puncture clamp

YG-T104 tack ring fixture



www.yuelian.com.tw



www.yuelian.com.tw



www.yuelian.com.tw

YG-T003D plane clamp

YG-T005 beak clip

YG-T001 flat clip



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YG-C003 film puncture

YG-T007 eccentric clamp

YG-D007 line fixture



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YG-C005  
bottle compression fixture

YG-T006  
webbing clamp

YG-C004C  
compression plate

# CE Certificate

**sit**

## Certificate of Conformity

Certificate No. : SIT141212426L  
Product : Testing Machine  
Model : YL-S70, YH-A00(A=1~10), YL-SAB(A=0~9,B=0~9),  
YL-DABC(A=0~9,B=0~9,C=0~9), YL-HAB(A=0~9,B=0~9),  
YL-TD(D=1~1000), YTK-ABC-TD(K=1~2,A=0~9,B=0~9,C=0~9,D=0~9),  
YTK-ABC-DFG(K=1~2,A=0~9,B=0~9,C=0~9,D=0~9, F=0~9,G=A~Z)  
Trade Mark : Yuelian  
Applicant : Guangdong Yuelian Instruments Co., Ltd.  
Address : No.1115, No.A1 warehouse, The Tian'An Cyber Park, No.1 Huangjin  
Road, NanCheng District, Dongguan City  
Manufacturer : Guangdong Yuelian Instruments Co., Ltd.  
Address : No.1115, No.A1 warehouse, The Tian'An Cyber Park, No.1 Huangjin  
Road, NanCheng District, Dongguan City

The above products have been tested by us with listed standards and found in compliance with the council LVD 2006/95/EC. It is possible to use CE marking to demonstrate the compliance with this LVD.

Test standards:	Report(s) Number	Issued By	Issued Date
EN 61010-1:2010	SIT141212426LR	SIT	December 12, 2014

This certificate of conformity is not transferable and based on an evaluation of a sample of the above mentioned product.



Authorized Signer:   
Date: December 12, 2014

Shenzhen SIT Testing Technology Co., Ltd  
Tel: (86)-0755-29173399 Fax: (86)-0755-29179933 Http://www.sit-cert.com