

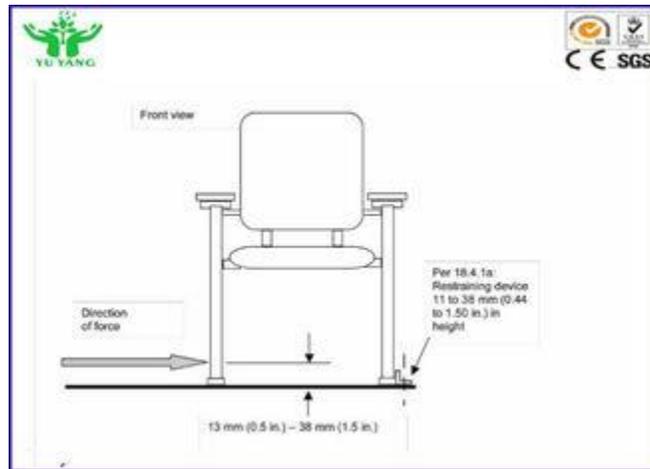


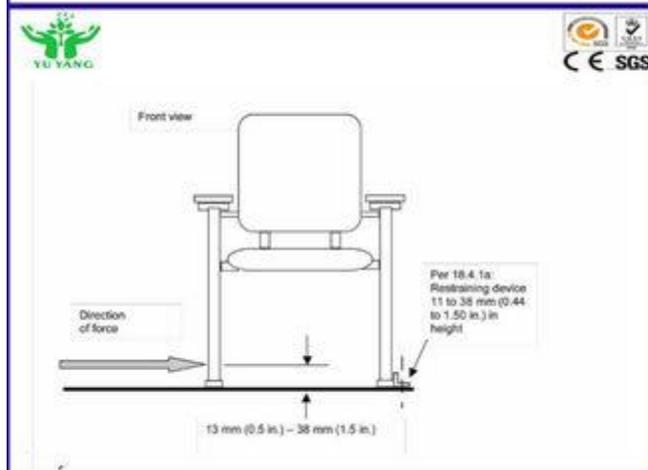
**YUYANG INDUSTRIAL CO., LIMITED**

China Manufacturer of Fire Testing Equipment

## 2000kg - 5000kg Chair Legs Pressure-resistant Furniture Testing Equipment

700mm





- **Product Details:**

- Place of Origin: China
- Brand Name: YUYANG
- Certification: ANSI BIFMA X5.1
- Model Number: YYJ-011

- **Payment & Shipping Terms:**

- Minimum Order Quantity: 1 set
- Price: Negotiation
- Packaging Details: Wood case
- Delivery Time: 20-30 work days
- Payment Terms: T/T L/C Western Union
- Supply Ability: 100 Set/Sets per Month

- Share to :

## **2000kg-5000kg Furniture Chair Legs Pressure-resistant Testing Machine 700mm**

### **Introduction of product:**

Chair Legs Pressure-resistant Tester is used to test the Office Chair supports five claws, by vertical pressure to test compressive strength of five claws.

The motor which is used as power source is controlled by computer. Driving the Precision screw and dragging the bar to make pressure down.

Purpose of test: test compressive strength of the Office Chair claws. Control the quality of products. Find the position of defect. Provide a reference for improvement.

Program of test: Load to 11120N slowly, keep one minute. uninstal; Then load to 11120N slowly again, keep one minute, record the process of test.

Assessment of results: controlled by a servo motor which can maintain constant pressure when chair legs are in plastic deformation status.

The tester which is controlled by computer stops automatically when breakpoint occurs. Customers can write test program by themselves; The computer generates force - time and force - shift curve automatically.

Main controller adopts most advanced 32 bit ARM processor in the 21st century. Processing speed has already reached the level of Pentium general computer. Compared with the traditional 8-bit SCM measure-control system, the performance of it is greatly improved. The speed of arithmetic is more faster, The precision of control is higher.

The core device which is used for collecting data adopts the latest ultra-high precision 24-bit AD. The rate of sampling can reach 2000 times per second. Can capture the process of the force variation at the moment. The whole journey don't step. Resolution comes up to 500000 degrees, and uses the original 6 point calibration technology, improving the accuracy further.

The measurement accuracy of force is much higher than 0.5 (the highest) standards of the state.

Windows standard style. Distinct operating mode, detailed documentation and tips make it becomes the most simple and easy software to use in testing machine industry.

Your training efficiency of modulation and software will be improved significantly.

Using multi-threaded parallel processing technology. Testing process show force - shift, force - time, shift-time and stress-strain curve at the same time in time. Can switch to the picture of curve what you want to see, and can check the user setting etc. Cabinet protection structure, guarantee safety

absolutely. The tester stops automatically when the five claws of chair damage. It can be set fixed pressure and time.

### Technical parameters:

Capacity: 2000kg-5000kg

Max stroke: 700mm.

Accuracy of force to display: 0.1 units

Accuracy of force: indicating value  $\pm 0.05\%$ .

Accuracy of shift: 0.01mm

Accuracy of force to display: indicating value  $\pm 0.01\%$

Special fixture uses to fix five claws.

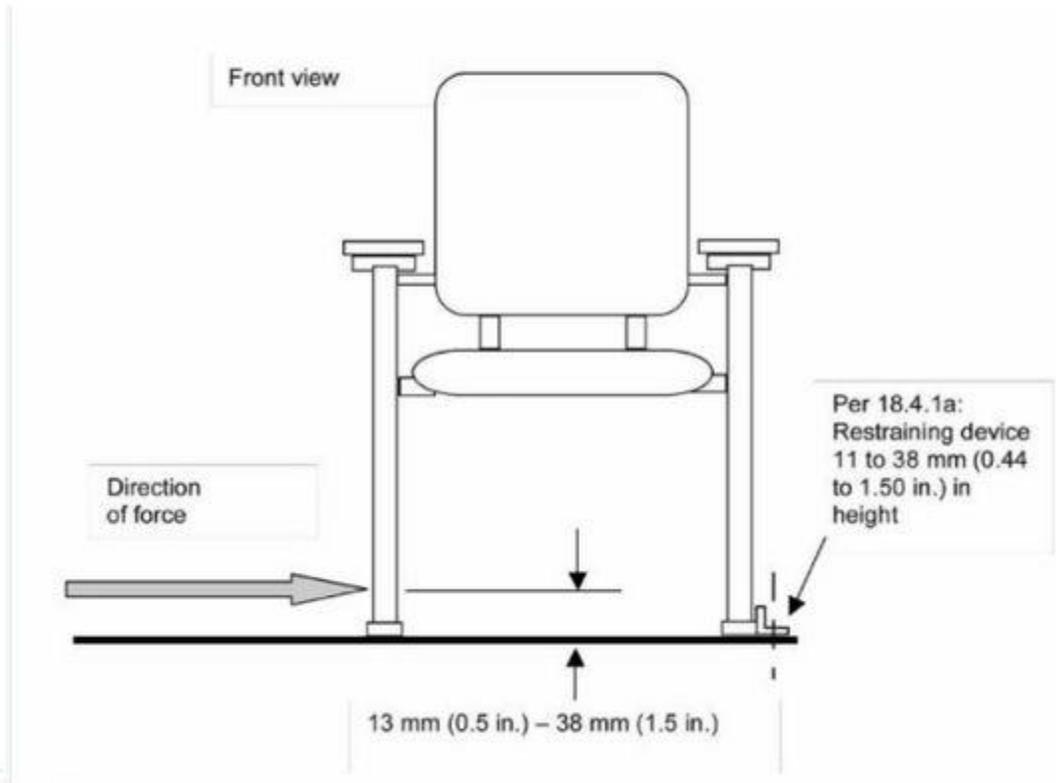
This machine is equipped with lenovo computers and HP printer.

**Standards: ANSI BIFMA X5.1v**

### Product Specifications:

Product Name	<b>2000kg-5000kg Furniture Chair Legs Pressure-resistant Testing Machine 700mm</b>
Load cell	0.5 precision force sensor (US World Civil)
The biggest test	5000KG
Accuracy	1
Test Force Test Range	0.4% ~ 100% FS
Power Resolution	200000
Within $\pm 1\%$ of indicated value	Displacement error
Displacement resolution	0.05mm
Control system	servo drives
Transmission	Panasonic servo motor
Motor power	2.0kw
Test speed range	5 ~ 500 mm / min
Within $\pm 1\%$ of indicated value	speed accuracy
Test Stroke (excluding fixtures)	1000mm
Effective pillar spacing	1000mm
Display System	This machine is equipped with lenovo computers and HP printer.
Features	Special fixture uses to fix five claws
Weight	500kg

Volume	1500 * 650 * 2100mm
Power	AC220V 50HZ



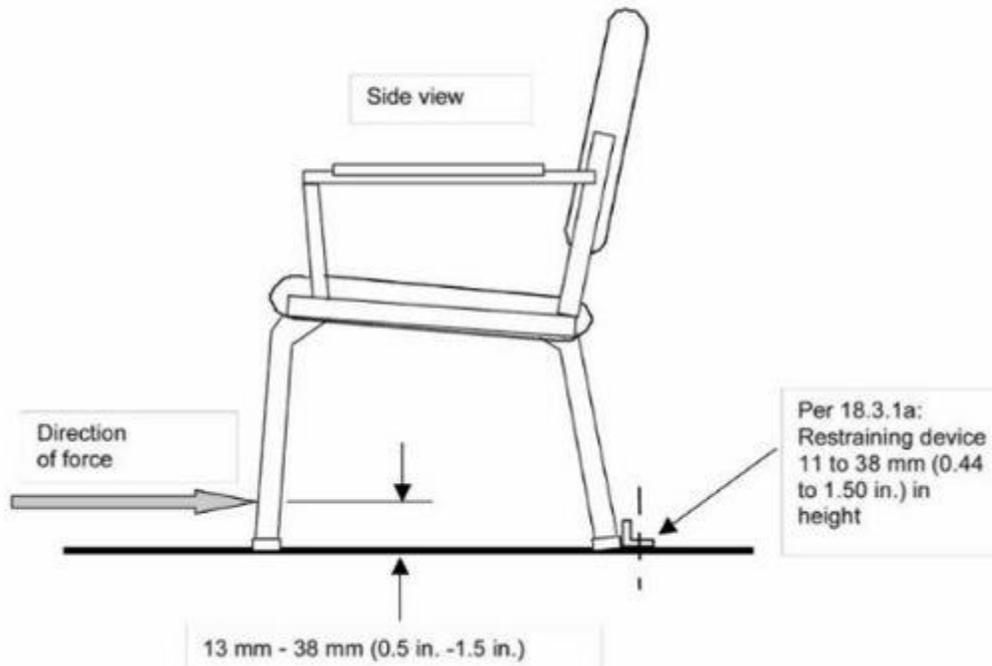


Figure 18a - Leg Strength Test - Front Application