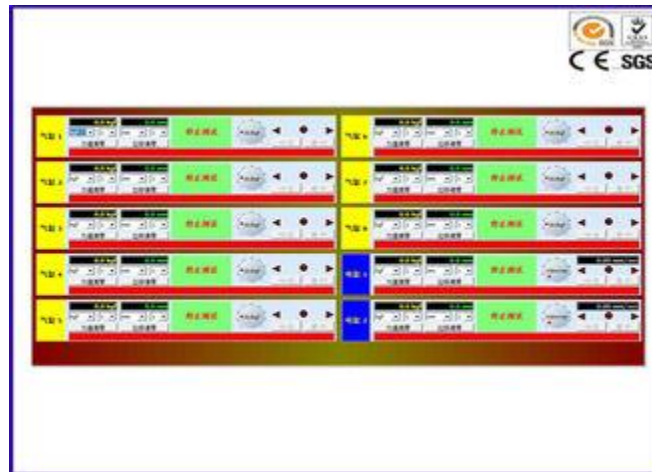


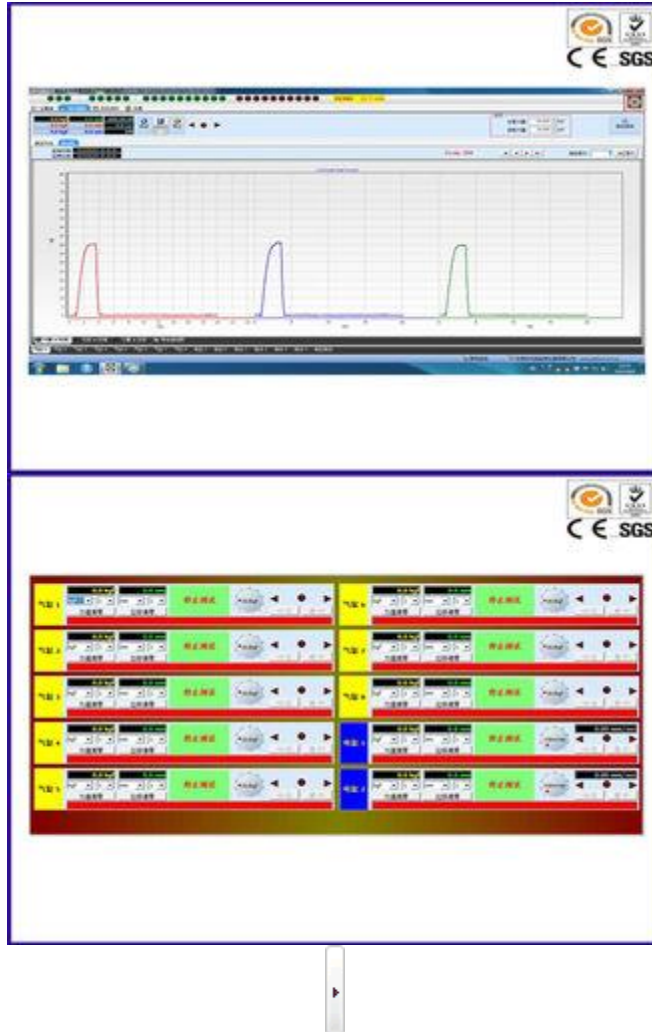


YUYANG INDUSTRIAL CO., LIMITED

China Manufacturer of Fire Testing Equipment

Office Furniture Comprehensive Mechanical Testing Machine for Table Chair Cabinet





- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **GB/T10357 EN12727**
- Model Number: **YY1201**

- **Payment & Shipping Terms:**

- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **35 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **3 sets per quarter**

- Share to :

Office Furniture Comprehensive Mechanical Testing Machine for Table Chair Cabinet

Description:

This machine is used for comprehensive testing machine for furniture mechanical properties. For the school, family, hotels, hotels, restaurants and other occasions to use all kinds of tables, chairs, cabinet furniture factory finished products, other tables, chairs, cabinets, home can reference. Tables, chairs, cabinets class strength and durability test is to simulate furniture during normal use and used to misuse, under the condition of each part is a one-off, or repetitive loading test of strength or ability; Tables, chairs, cabinets class stability test is to simulate furniture in daily use under load or no-load condition, the resistance of tilting force can force. High strength aluminum metal framework of modular structure, bottom frame adopts three-dimensional structure, structure of the firm. Base: high strength industrial aluminum + GB 45 # steel, thickness of 10 mm, or powerful magnets samples. Guarantee the stability of equipment operation, not be moved.

Functional requirements:

To complete the following standards of performance test and meet the standard requirements:

GB/T10357.1-2013 furniture mechanical properties test Part 1: table class strength and durability

GB/T10357.2-2013 furniture mechanical properties test Part 2: the chair's stability

GB/T10357.3-2013 furniture mechanical properties test Part 3: chair, strength and durability

GB/T10357.4-2013 furniture mechanical properties test Part 4: ark type of stability

GB/T10357.5-2011 furniture mechanical properties test Part 5: tank strength and durability

GB/T10357.6-2013 furniture mechanical properties test Part 6: single bed strength and durability

GB/T10357.7-2013 furniture mechanical properties test Part 7: table class stability

EN12727 Furniture-Ranked seating-Test methods and requirements for strength and durability

Technical parameters:

1. Load capacity: 0-500 - kg can be arbitrarily set
2. Overall dimensions (length * width * height) : 9500 * 3200 * 2200 mm ((the top 2600 mm)
3. Load precision: 1/1000
4. Test accuracy: static: $\pm 1\%$ dynamic power: $\pm 5\%$
5. Electric cylinder and the cylinder loading: each a single electrical proportional valve control cylinder. Cylinder requirements for imported brands, electrical proportional valve demand for imported brands.
6. Stroke displacement: 0-300 - mm, 0-500 - mm, 0-800 - mm optional settings.
7. Action time: 0.01-30s can be arbitrary set.
8. Test speed: 1 to 30 times/min can be arbitrarily set.
9. Test times: can be set arbitrary in 0-999999 times.
10. Power memory: stop/power and cut point check out stop function. Halfway down or power will automatically save test results.
11. Stop way: closing down the machine after reach test times, and alarm.
12. Sensors: well-known brands sensors.
13. Equipment has a fault self-diagnosis system, convenient examination and troubleshooting.
14. The basic framework use high strength aluminum metal framework of the modular structure, bottom frame adopts three-dimensional structure, structure of the firm.
15. Base: high strength industrial aluminum + GB 45 # steel, thickness of 10 mm, or powerful magnets samples.
16. The program frame can choose simplified Chinese or English, in the application settings page can be arbitrary replacement.
17. Computer + force sensor+ encoder forming force and displacement closed loop control. Computer integrated control system, data acquisition channel, control multiple channels, can control multiple test axis at the same time, can be set in a separate one

cylinder or motor movements, including the single or multiple reciprocating test. It can be set two groups of synergy can be set to reciprocating movements, synthetic vision test. Each channel by benchmark synchronization between operations, to ensure the synchronization of action and the data processing, different channel grouping to control, if there is a channel sample damage, the associated group channels will stop at the same time, the rest of the channel can continue to work. Interface simple, function complete, rapid response, easy operation. Action precision, low failure rate.

18. It can realize the control of force and displacement velocity, show displacement - time, power - time, maximum minimum life force - displacement and force - displacement curve (each cycle of each channel is the most highly value and the change of the maximum displacement curve), etc. Without having to manually ten-fold increase in value and displacement, show every displacement offset, to realize intelligent integrated control.

19. The unit of force can select KGF, kN, N, tf, LBF.

20. The unit of displacement valve can select mm,in.

21. Every force and displacement sensors can be divided into 10 period of correction, may also use a single period of correction.

22. Report can be output into Word, Excel, PDF documents, can save and export data, can connect a printer to print the test results.

23. Instrument needs to adopt manual winch easily up and down, left and right sides, back and forth motion and convenient sampling.

24. Each cylinder can be arbitrarily set operation steps, the step function contains the selection of the open loop and closed loop. It can set up 150 operating steps.

25. The curve records every cycle of a cylinder, and when the test stops, can observe any of the curves.

26. The test curve data will be recorded in the database, and when the program does not run the tests, you can call the display curve data from the database.

27. Computer software automatic servo control, the display observed all the strength and the offset data.

28. Stop way: shut down after teach test times, and alarm.

29. Sensors: well-known brands sensors.

30. Equipment has a fault diagnosis system, easy to check and troubleshoot.

31. The basic framework adopts the modular structure of the high strength aluminium metal frame, which is built in solid structure and is firmly established.

32. Base: high strength industrial aluminum shape + national standard 45 steel, thickness is greater than 10mm, strong magnet fixed sample.

33. Multi-languages, many international unit switching: force value units have 8 kinds, there are five kinds of displacement value unit, can switch to each other. And software is equipped with many languages (contains simple, traditional and English language mutual switch).

34. Instrument needs to adopt convenient manual winch easily up and down, left and right, before and after free move device.

35. The layout and control.

(a) The whole frame is divided into dismantling installation, avoid the field on the floor or corridor, in the mobile and fixture fixed manageable, we use a large number of linear guide and manual winch, can quickly adjust the test equipment and installation test sample. Just slowly up and down, left and right sides, before and after the mobile device and the locking can be fixed.

(b) Each of the test fixtures has a fast switching terminal to install different fixtures.

(c) Test device are connected force sensor, displacement sensor and precise electric proportional valve, form a complete set of closed loop signal feedback system, makes the control more precise and stable.

(d) Fixed sample and installation, use powerful magnets, can be easily fixed and lax sample.

