

Chair Legs Pressure-resistant Tester TNJ-003



Detailed Description

Chair Legs Pressure-resistant Tester is used to test the Office Chair supports five claws, by loading 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 rod 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 out the defect position. Provide a reference for improvement.

Program of test: Load to 11120N slowly, keep one minute unload; 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.

Breakpoint, autostop, automatic operation by computer. 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 is greatly improved. The speed of arithmetic is much 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 in short-term fluctuation. No step in whole journey. Resolution comes up to 500000 degrees, and uses the original 6 point calibration technology, improving the accuracy further.

The force measurement accuracy 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. Real-time display force - shift, force - time, shift-time and stress-strain curve in the testing process. 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 damaged. Fixed pressure and time can be set.

Specifications:

Capacity: 2000N

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 X5.1