

Universal Material Tension Strength Test Machine



Universal Material Tension Strength Test Machine is mainly used to test the physical properties of metal and non-metal material products, such as tensile, compression resistance, stripping, tearing, bending resistance, three-point bending resistance, shear resistance and so on. At the same time, according to GB, ISO, JIS, ASTM, DIN and a variety of standards provided by users for testing and data processing. Widely used in auto parts, fasteners, aerospace, wire and cable, rubber, plastic, paper packaging and other industries of material inspection and analysis. It is the testing equipment required by scientific research institutes, colleges and universities, industrial enterprises, technical supervision and commodity inspection

Product Description

Universal material testing machine in the process of testing using digital force, displacement, speed three closed-loop control, using Taiwan servo motor and control drive system, with high precision reducer and precision ball screw transmission, in order to achieve the transmission efficiency and noise ratio of the best effect.

Universal Material Tension Strength Test Machine

1. Maximum test force: 2000N;
- 2, the testing machine accuracy level: 0.5;
- 3, the test force measurement range: 2%-100% FS;
- 4, the relative error of the test force value: within $\pm 0.5\%$ of the value;
- 5, the test force resolution: the maximum test force of $1/\pm 500000$ (the whole resolution is unchanged);
6. Relative error of displacement indication value: within $\pm 0.5\%$ of indication value;
- 7, displacement resolution: 0.0005mm;
- 8, force control rate adjustment range: 0.01-2%FS/S;
- 9, the relative error of force control rate: set value within $\pm 0.5\%$;
- 10, beam speed adjustment range: 0.05-500mm /min;
- 11, beam speed relative error: set value within 0.5%;



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12, constant force, constant deformation, constant displacement control range: 0.5%--100%FS;

13, constant force, constant deformation, constant displacement control accuracy: set value <10%FS, set value within $\pm 1\%$; When the set value is $\geq 10\%$ FS, it is within $\pm 0.1\%$ of the set value.

14. Maximum drawing stroke (excluding fixtures) : 680mm;

15. Effective stretching space (net space) : 550mm;

16, effective test width: 150*150mm;

17, the host appearance size (length \times width \times height) : 480 \times 430 \times 1150mm;

18, power supply: 220V 50Hz 0.4kW;

19, the host weight: about 65kg.

Product feature and application of the Universal Material Tension Strength Test Machine

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The body adopts single-arm structure, small and convenient, does not take up space, is your ideal laboratory equipment.

Microcomputer-Controlled Metal Torsion Testing Machine details

