

1



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Microcomputer Carton Resist Compression Test Machine TNT-05-Instrument Manufacturer



Pictures are for reference only (please refer to the physical object)

Product profile:

Carton compression testing machine used for corrugated boxes, packaging containers, transportation packaging compressive strength performance test, the testing machine has various parameters included in the standard test, display, memory, data statistical processing and printing functions, can directly obtain the statistical results of the data, easy to operate.

The testing machine meets the requirements of the following three basic test functions:

1. Pressure test:

For determining the ultimate compressive strength of the specimen, the testing machine automatically records the peak pressure and the compressive deformation of the specimen.

2. Constant value test:

The overall performance of the box can be detected according to the set pressure or deformation amount, and the design and selection of the box is provided Necessary test data;

3. Stacking strength test:

A certain pressure value is continuously applied to the specimen for a specified period of time, which is used to determine the storage conditions of the specimen in the simulated packaging .

According to the relevant standards, the pressure durability can be stacked for 12 hours, 24 hours and other different conditions.

Note: According to different sizes of corrugated boxes, packaging containers, transport packaging, you can choose from the following to combine into testing machines of different sizes and different pressure ranges to meet your needs.

Technical Parameter:

Model	TNT-05
Transmission Mode	Screw drive
Capacity	1000kg,2000KG,5000kg Customization is acceptable
Load Accuracy	±0.5(±1%)
Units	N、kN、kgf、gf、lbf
Control System	AC variable frequency gear motor
Kind of Drive	T-screw + chain drive
Display	Chinese or English LCD big screen
Stroke	1000mm (can be specified)
Test Speed	12-150mm/min
Test Space	1000 mm × 1000 mm × 1200mm Customization is acceptable
Pressure Holding Function	Fully automatic pressure holding, time can be set.
Surface Treatment of Testing Machine	Painted , the column is made of aluminum profile
Instrument Weight	850KG
Protector	Leakage protection / overload automatic shutdown protection / stroke limit protection
Function	Automatic report printing, (Chinese) printing (maximum force, average, free point value, breakpoint scale, date)

Product Features:

1. Using high-precision load cell, the accuracy is controlled at <0.1% when leaving the factory, which is far better than the ±1% of ISO standard;
2. The use of frequency conversion motor and precision screw auxiliary drive ensures the accuracy and reliability and stability of the displacement of the equipment up and down;
3. Automatic completion of the test, the equipment has the functions of test data display, memory storage, analysis, statistical processing and printing of test reports, which is convenient to operate;
4. Preset test speed and return speed and free adjustment of the position of the upper pressure plate make the test faster and more efficient;
5. The load cell is located above and connected to the upper pressure plate, and the user or the measurement and calibration department (third party) can easily calibrate the indicator error of the instrument by placing the standard sensor in the middle of the upper and lower pressure plates for calibration operation.

Safety Precautions:

Measurement and control software pressure value overload protection system

Upper and lower stroke limit switch protection device

Power-off automatic locking transmission protection

The sensor pressure value is automatically reset to zero

Preset test speed and return speed for faster testing

The display function test completes and automatically returns to the initial position

Compliance with standards:

ISO2872 《Pressure test of packaging and shipping parts》

ISO2874 《Stacking test by pressure testing machine for packaging and shipping parts》

GB4857.4 《Basic pressure test method for transport packaging》