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Ring blank holder pressure testing machine L-PTB002

Release date : 2020-11-23

Ring edge pressing machine L-PTB0021. Introduction to the application of ring edging testing machine with microcomputer Xm-ptb002 microcomputer is equipped with various fixtures to test the ring compres

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Ring edge pressing machine

L-PTB002



1. Introduction to the application of ring edging testing machine with microcomputer

Xm-ptb002 microcomputer is equipped with various fixtures to test the ring compression strength of base paper, flat compression strength of board, edge compression strength and gluing strength, so as to help paper manufacturers control production cost and improve product quality.

The following tests may be performed:

1. Equipped with ring pressure test center plate and special ring pressure sampler, conduct ring pressure strength test (RCT) on paperboard;
2. Equipped with edge press (adhesion) sample sampler and auxiliary guide block, conduct edge press strength test of corrugated board (ECT);
3. Equipped with peeling strength test frame for corrugated board bonding (peeling) strength test (PAT);
4. Equipped with flat pressure sample sampler for corrugated board flat pressure strength test (FCT)

2. Advantages of micro-computer ring edge pressing testing machine

1. The system automatically calculates the ring pressure strength and side pressure strength, eliminating the need for manual calculation and reducing workload and errors;
2. Equipped with packaging and stacking testing function, it can directly set the strength and time, and automatically stop the machine after the test is completed;
3. After the completion of the test, automatic return function, automatic judgment of crushing force and automatic saving of test data;
4. Three adjustable speeds, LCD interface in Chinese, multiple units to choose from;
5. 20 test results can be recorded and saved.

3. Functional characteristics

01.32-bit embedded processing chip with fast instruction cycle;

02. Strain measurement precision >4, namely, discrimination >20000 yards;

03. Use software coefficient file calibration (calibration). Effective correction of the linearity of the sensor;

Photoelectric encoder of 04.4 times of frequency, positive and negative two-way count, high resolution;

05. The display USES 192×64 lattice of large monochromatic LCD screen, can display more information;

06.1 channel RS232 serial port, which can be connected to other devices;

07.1 Channel print parallel port, can be connected to a micro printer or needle printer;

- 08.8 operation keys (5 function keys, 3 multiplexing keys), simple operation;
09. Strength units: N, kN, KGF, GF, LBF;
10. Stress units: Pa, kPa, MPa, KGF /cm², LBF/In²;
11. Length (area) unit: mm, cm, in;
12. Input function: double-channel simulation signal;
13. Display function: it can automatically display and remember the maximum force during the test;
14. Save output: The results of up to 20 tests can be recorded.

4. Technical parameters of ring border-pressing tester for microcomputer

Model Name: XM-PTB001 Cyclic Compressive Strength Tester (LIQUID crystal)

Measuring range: optional within 200kg

Unit switch: N, kN, KGF, GF, LBF

Degree of decomposition: 1/10000

Error code: $\pm 1\%$

Indication denaturation: $\leq 1\%$

Test speed: 12.5 ± 2.5 mm/min(or adjustable speed according to customer requirements)

Parallelism of upper and lower pressing plates: < 0.05 mm

Pressure plate size: 100*100mm(can be customized according to customer requirements)

Spacing of upper and lower pressure plates: 100mm

Volume (approx.) : 350*400*850mm

Power supply: 1 ϕ , 220V 1.5A (according to national standard or specified)

Weight (about) : 45kg

Standard configuration: vertical press fixture one pay

Optional: Parallel sampler/ring sampler/ring clamp/flat clamp/adhesive strength clamp

Environmental conditions for normal operation of the instrument:

1. Room temperature: $20^{\circ}\text{C} \pm 10^{\circ}\text{C}$;
2. Power supply: AC220V ± 22 V, 50Hz, maximum current 3A, the power supply should be reliably grounded. If the voltage fluctuation of the power supply exceeds the above range, the power regulator should be used;

3. Clean working environment, no strong magnetic field and vibration source, smooth and stable table.

5. Applicable standard for ring edge pressing machine of microcomputer

The performance parameters and technical indexes of xM-PTB002 micro-computer ring pressing machine comply with the following standards :GB/T 2679.8 "Determination of Ring pressing Strength of Paper and Cardboard", GB/T 6546-1998 "Determination of Corrugated Board's Edge pressing Strength", GB/T 6548-1998 "Determination of Corrugated Board's Adhesion Strength", GB/T 2679.6-1996 "Corrugated Core's Flat Pressing Strength" and other standards

Recommended

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Automatic tool metallographic measuring instrument V400

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Automatic tool metallographic measuring instrument V800

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Automatic tool metallographic measuring instrument V1800

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Automatic tool metallographic measuring instrument V2000

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