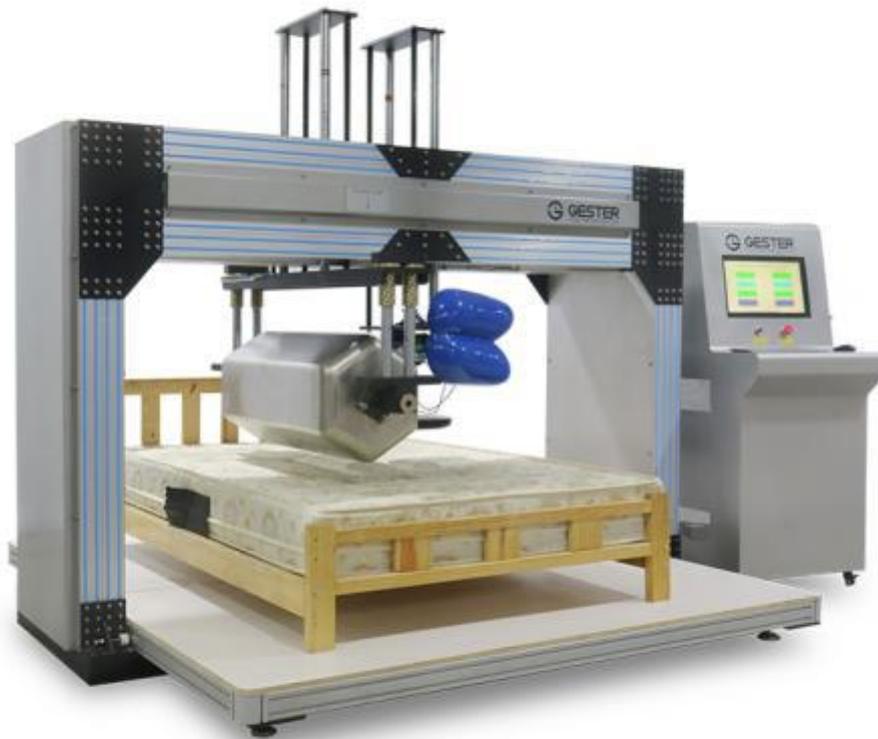




Mattress Comprehensive Performance Tester GT-LA08

GT-LA08



Application:

This **Mattress Comprehensive Tester** is the newest design mattress comprehensive performance tester according to EN 1957, EN 1725, QB/T 1952.2, or ASTM F1566 standards.

In general, the machine is configured with the following four test functions:

Height loss test: the height loss expresses the change in the height of a test unit caused by the durability test.

Durability test : test simulating the repeated application of loads and/or movement of

components occurring during long-term use and assessing the strength of the article under such conditions. The durability test is a procedure mainly intended to evaluate the change of the properties of the test unit caused by repeated loading.

Hardness Value & Firmness rating test : the hardness value is determined from load/deflection measurement which be obtained by pressing a load pad into the test unit and measuring the associated value of indentation and force simultaneously. And the firmness rating is used to express the subjective assessment by persons, it is determined form the hardness value upon results from empirical studies.

Bed edge durability test: apply a force of 1000N for 5000 cycles by means of edge loading pad at the bed edge test point, then measure the height loss .

Standards:

BS EN 1957, EN 1725, QB/T 1952.2, or ASTM F1566.

Feature

- The whole machine frame made of high quality aluminum, beautiful.
- This machine control method: computer control.
- Roller can be electric lift, easy to operate.
- Motor is Taiwan Delta servo motor, the power sensor is the United States Celtron.
- The machine is equipped with an alarm device, indicating safe operation.

IMAGES



Key Specifications

| | | | |
|-----------------|-----------------|-------------------------|------------------|
| Model | | GT-LA08A | GT-LA08B |
| Controller | | Computer Control | |
| Motor | | Servo Motor | |
| Power sensors | | 5000N, American Celtron | |
| Durability test | Cylinder Shape | Round | Hexagon |
| | Cylinder Length | 1000 mm | 36±3in(915±75mm) |

| | | | |
|--|---------------------------------|-----------------------------------|--|
| | Cylinder Weight | 1400 N | 240±10Lb(109±4.5kg) |
| | Diameter of roller | 300 mm | 17±1in(430±25mm) |
| | Test speed | 0-20 cpm (adjustable) | 0-20 cpm (adjustable) |
| | Stroke length | 0--1000mm | 0--1900mm |
| Hardness value & Firmness rating test & Height loss test | Pressure plate diameter | ∅ 355 mm | |
| | Pressure plate spherical radius | R800 mm | |
| | Test speed | 0.001--500 mm/min | |
| Bed edge durability test | Test load | 1000 N | |
| | Test cycles | 5000 cycles | |
| | Maintain time | 3±1s | |
| Power supply | | 1∅, AC 220V 50/60Hz | |
| Dimension (W x D x H) | | 280 x 250 x 180 cm | 380 x 250 x 180 cm |
| Weight (Kg) | | ≈1000Kg | ≈1200Kg |
| Standards | | BS EN 1957, EN 1725, QB/T 1952.2, | ASTM F1566 , BS EN 1957, EN 1725, QB/T 1952.2, |
| Standard accessories | | EN Round Roller | ASTM Hexagon Roller |
| | | Hardness loading pad | Hardness loading pad |
| | | Edge loading pad | / |
| Option accessories | | / | EN Round Roller |
| | | / | Edge loading pad |