



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 from 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	Φ 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		1φ, 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