

Mattress Hardness Tester

GT-LA04



Application:

The Chair tester tests the strength and durability of the seats and backrests by simulating the routine use loading of the seat.

The Chair Seating and Back Testing Machine is equipped with two drive units, and can be individually controlled to repeatedly load the test points of the seat. Through different parameter settings, the machine can complete the following types of test functions on the seat:

1. Seat and back static load test.
2. Seat and back durability test.
3. Seat front edge static load and durability tests;

4. Horizontal forward static loading test for backrest.
5. Headrest static load test,
6. Legs forward static load test,
7. Leg lateral direction static load test.

If the customer additionally purchases the GT-LB01-7 impact hammer for the machine, the following tests can be added: Backrest impact test, armrest impact test.

Feature:

1. The main structure of the machine is made of aluminum, beautiful and easy to maintain.
2. Servo motor drive, test loading control is more accurate, and the noise is even smaller.
3. Chair Seating and Back Testing Machine: PLC touch screen control makes the operation more convenient.
4. In addition, the machine loading device using electric control movements, more extensive test space.

Standards:

EN 1728-2012 Section 6.4, 6.5, 6.7, 6.12, 6.15, 6.16, 6.17, 7.3, 7.4,7.9, 8.2, 8.4.1,8.5 (6.25, 6.26 optional accessories)

EN581-2-2015 (corresponding with EN1728-2012),

EN1335-3 -2009 Section 7.2.1, 7.2.2, 7.3.1

EN 1729-2-2012 Section 5.3.2, 5.3.3, 5.3.5, 5.3.6, (5.3.8 need the optional accessories)

ISO 7173-1989 Section 7.1, 7.2, 7.3, 7.5, 7.6, 7.7, 7.8, (7.11,7.12 need the optional accessories)

GB/T 10357.3 -2013 Section 4.3, 4.4,4.7,4.8,4.10,4.11, (4.13,4.14 need the optional accessories)

BIFMA X5.1 - 2017 Section 5,6,17 (9,14,15 need the optional accessories)

EN 16139-2013 (corresponding with EN1728-2012)

BS5459-2-2000 Section A5.1 (A5.3, A7.4 need the optional accessories)

QB/T 2280-2007 Section 6.6.4, 6.6.9 (6.6.10, 6.6.11 need the optional accessories)

Key Specifications

Model	GT-LB04-1
Working position	1
Seat surface load capacity	2000N
backrest load capacity	2000N
Seat surface height	15 - 70cm
Testing time	0-99999 (can be adjustment)
Control method	PLC touch screen control
Lifting method	Automatic lifting

Power	1 phase AC 220V 50/60Hz
Dimension (WxDxH)	180x150x200cm
Weight	500kg
Standard Accessories	GT-LB01-1A Loading point template 1 pc
	GT-LB01-2A Seat loading pad 1 pc
	GT-LB01-3 Smaller seat loading pad 1 pc
	GT-LB01-4 Back loading pad 1 pc
	GT-LB01-5 Local loading pad 1 pc
	Stationary fixture 1 pc
	Stops 1 pc
Optional Accessories	GT-LB01-7 Impact hammer
	GT-LB01-1B Loading point template
	GT-LB01-2B Seat loading pad
	GT-LB01-10 BIFMA cumulative Weight