



YUYANG INDUSTRIAL CO., LIMITED

China Manufacturer of Fire Testing Equipment

Durability Comprehensive Furniture Testing Machine For The Surface Of Mattress

90±5mm/min





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- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **QB/T 1952.2-2011**

- Model Number: **YYJ-018**
- **Payment & Shipping Terms:**
- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Strong wooden case**
- Delivery Time: **25-30 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **120 Unit/Units per Month**
- Share to :

90±5mm/min Furniture Durability Comprehensive Tester for the surface of mattress

Introduction of product:

This tester is designed according to the latest national standard. It is suitable for a set of durability testing for spring soft mattress, and relevant measurement of it. It uses a certain weight of roller to do rolling test on the center of mattress, simulating the effects to the mattress after the body of people rolls on it. The tester does loading durability test for the edge of mattress using specified loading cushion and force value. It can also simulate a person sits on the edge of the mattress, and the effect caused by the bottom loading on the mattress. After a certain number of loadings, compare the height of cushion surface and its surrounding edge before and after the test. Assess the quality of the mattress according to change of hardness and damage of mattress.

Test items: include the following tests and measurement projects:

1. durability test for the cushion surface.
2. durability test for the edge of cushion.
3. height measurement of the mattress.
4. Measurement of the Hardness value.

Technical parameters:

Rolling test stroke:The mattress mid-line left and right are both 500 mm.

Rolling test speed:16±2Cycles per minute

Roller:1400N,The middle diameter:300mm,Both ends diameter:250mm,length:1000

Counter:0~999999can be set.

The control way of rolling:Touch screen + PLC control

Loading cushion on the edge:buttocks shape,380mmx495mm

Loading parts on the edge:The midpoint on the long edge of the mattress.200 mm from edge.

Loading force on the edge:1000N

Loading time on the edge:3S

Position of measurement:Mattress center,Left and right are both 250mm,the midpoint on the long edge of the mattress 200 mm inward.

Loading plate of measurement:Diameter 355mm,Radius of curvature of the end R800mm

Capacity of force sensor:2kN

Loading speed of measurement:90±5mm/min

Stroke:500mm

Drive motor:Servo motor

Standards:

QB/T 1952.2-2011

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Loading speed of measurement:	90±5mm/min
Capacity of force sensor:	2kN





