

# Test Report

Report No. .... : SHER220300015971      Release date .... : 2022-08-30

Applicant's name ..... : Ludaik Ergonomic Technology Corp.

Address ..... : 588 Qiang South Road Bisha Industrial Zone Yuyao District Ningbo, Zhejiang 315145 P.R. China

Laboratory name and address ..... : SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

588 West Jinxi Road, Kujiao, Songyang, 201612 Shanghai, China

Test Site ..... : 588 Qiang South Road, Bisha Industrial Zone, Zhang Town, Yuyao District, Ningbo City, Zhejiang Province, China



Product Description ..... : Adjustable Bed Base

Supplier Model No ..... : EB032T-8038; EB032/T-XXYY

S/N No ..... : -

Sample status ..... : Good

Sample receipt date ..... : 2022-08-05


No. of samples .... : 4


Date of Test ..... : 2022-08-05~2022-08-22

Test Standard ..... : Client's requirement

Conclusion ..... : See following pages

Remark /Note ..... :  
 1) The test result is only valid for the test sample.  
 2) In addition to copying the full text, can't partial copying of the report without laboratory approval, make sure that the report will not be partially extracted.  
 3) The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc. and just for client internal reference.

Tested By:   
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 Zero Xue

Approved by:   
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 Wendy Wang



**Summary of Results**

No	Test Item	Reference Standard	Result	Sample number
1	Static pressure test	Client's requirement	Pass	1#
2	Life test	Client's requirement	Pass	2#
3	Stability test	Client's requirement	Pass	3#
4	Limit test	Client's requirement	See result	4#

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not apply to the judgment.

## 1. Test Item: Static pressure test

**Environmental requirement:**

Ambient Temperature: 15~35 °C; Relative Humidity: 45~75 %RH; Atmos: 101 kPa.

**Reference standard:**

Client's requirement

**Test condition:**

Test the machine, simulated load 600 pounds pressure test at room temperature, (5 sandbags in the head, 3 in the middle, 4 in the tail), no lifting, static pressure for 72 hours.

**Test acceptance requirements:**

Standard of Appearance:

1. The parts shall not be broken;
2. No wear and deformation seriously affecting the use function;
3. Press and shake the firm parts with hand press, and there should be no permanent loosening;
4. The connecting parts shall not be loose;
5. Furniture hardware should be free from obvious deformation and damage.

Standard of deformation:

The deformation standard of the screen bed is less than 0.5inch (1.27 cm);

**Test result:**







Meet the judgment requirements.

Sample Number	Test Result
1#	The appearance and deformation meet the requirements

**Conclusion:** Pass

The sample meets the test requirements.

**Photographs of the Test Configuration**

During test	During test
	
After test-1	After test-2
	
After test-3	After test-4
	

## 2. Test Item: Life test

**Environmental requirement:**

Ambient Temperature: 15~35 °C; Relative Humidity: 45~75 %RH; Atmos: 101 kPa.

**Reference standard:**

Client's requirement

**Test condition:**

Load 600 pounds at room temperature, head and tail lift 10,000 times synchronously

**Test acceptance requirements:**

The lifting can be carried out normally, the lifting speed and displacement have no obvious change, there is no abnormal sound in the lifting process.

**Test result:**





Meet the judgment requirements.

Sample Number	Test Result
2#	The lifting can be carried out normally, the lifting speed and displacement have no obvious change, there is no abnormal sound in the lifting process.

**Conclusion:** Pass

The sample meets the test requirements.

**Photographs of the Test Configuration**

<p>During test-Original state</p>	<p>During test-The head of a bed is raised</p>
	
<p>During test-The end of the bed is raised</p>	<p>After test</p>
	

### 3. Test Item: Stability test

**Environmental requirement:**

Ambient Temperature: 15~35 °C; Relative Humidity: 45~75 %RH; Atmos: 101 kPa.

**Reference standard:**

Client's requirement

**Test condition:**

The dynamic load is 600 pounds, The machine is pushed horizontally or longitudinally 25000 times at 1000N. The bed leg is fixed and the swing frequency is 25 times /min

Carrying 600 pounds (5 bags in the head, 3 bags in the middle, 4 bags in the tail), no lifting

**Test acceptance requirements:**

There is no significant fracture cracking or deformation at the joint between the frame and the bed leg after 25000 times under the force of 600 pounds.

**Test result:**




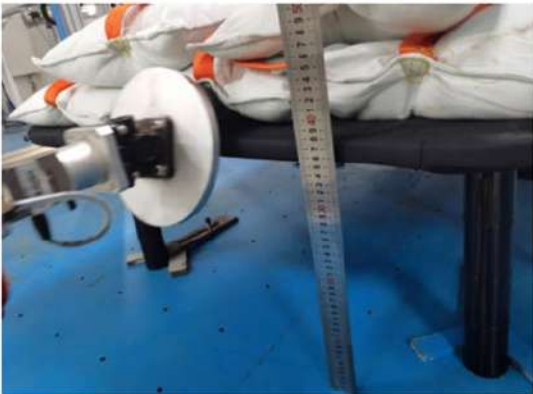
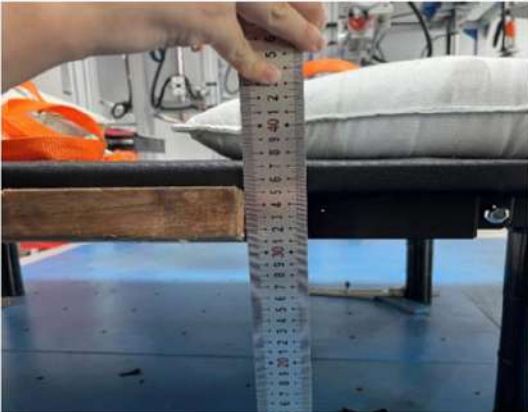

Meet the judgment requirements.

Sample Number	Test Result
3#	After the test, there is no obvious fracture cracking or deformation at the connection between the frame and the bed leg.

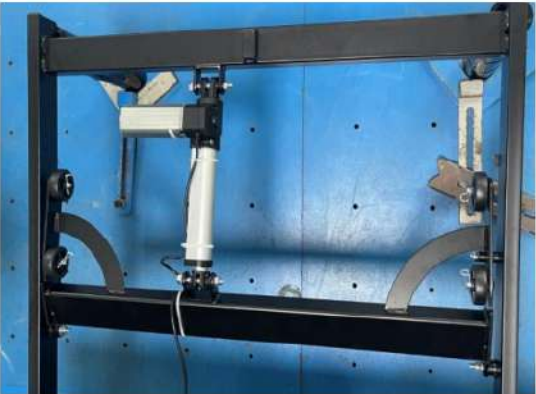
**Conclusion:** Pass

The sample meets the test requirements.

## Photographs of the Test Configuration

<p>During test</p>	<p>During test</p>
	
<p>During test</p>	<p>During test</p>
	
<p>After test-1</p>	<p>After test-2</p>
	



After test-3	After test-4
	
After test-5	/
	/

## 4. Test Item: Limit test

**Environmental requirement:**

Ambient Temperature: 15~35 °C; Relative Humidity: 45~75 %RH; Atmos: 101 kPa.

**Reference standard:**

Client's requirement

**Test condition:**

Test the whole machine with a load of 600 pounds (5 sandbags in the head, 3 sandbags in the middle, and 4 sandbags in the tail). On the basis of the rated load, gradually increase 50 pounds to run once until it cannot run or has serious deformation

Specific steps:

- 1: Each cycle takes 2min, and each experimental cycle runs once, and each cycle takes 2 minutes.
- 2: For each run, increase the head and feet by 50 pounds (5:3:4→6:3:5→7:3:6→ and so on) until the product cannot function properly.





**Test acceptance requirements:**

Lifting can be carried out normally, the main body of the frame down or shape variable, bed leg shape variable, lifting speed and displacement no obvious change, lifting process is not loud.

**Test result:**

Sample Number	Test Result
4#	The whole machine carried 1400 pounds (13 bags in the head, 3 bags in the middle, and 12 bags in the tail), and the head and tail fell and could not be lifted

**Photographs of the Test Configuration**

Initial weight	During test
	
During test	During test-Unable to raise
	

**Testing Instrument and Equipment**

Equipment	Model	Equipment No.	Calibration Date	Next Calibration Date
Electronic scale	Tcs-150	17110165	2021-09-16	2022-09-15
Steel rule	3M	/	2021-11-29	2022-11-28
Pressure sensor	HD-F745	KD2002200201	2021-11-29	2022-11-28
Timepiece	HD-F745	KD2002200201	2021-11-29	2022-11-28

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