

东莞日昇进出口有限公司

DONGGUAN SUNRISE IMPORT & EXPORT CO.,LTD

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Package Zero Height Drop Tester

Summary :

Model: SR-604L

It is mainly used to assess the drop bearing capacity of product packaging during transportation and loading and unloading, so as to improve and perfect the packaging design. For large packaged goods, the general mass is larger, and the vertical drop height is lower during transportation and handling. Therefore, the drop height of test bench is also lower.



Function :

This drop tester is mainly used for larger package drop test. Zero height drop tester use a quickly moves down E fork mounting as bracket. The specimen place balance as the test requirment(plane, edge,angle). When doing the test, the bracket do high-speed downward movement before the specimen, acceleration $>3g$, it need guarantee the bracket separate with the specimen and realize free fall. The standard drop height range is 2.54cm-120cm.

Test standards :

- ASTM D5276
- GB/T4857.5, GB/T1019, GB/T9384
- ISO 2248, ISO2248-72E,
- JISZ0202-87, IEC68-2-27

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Specifications :

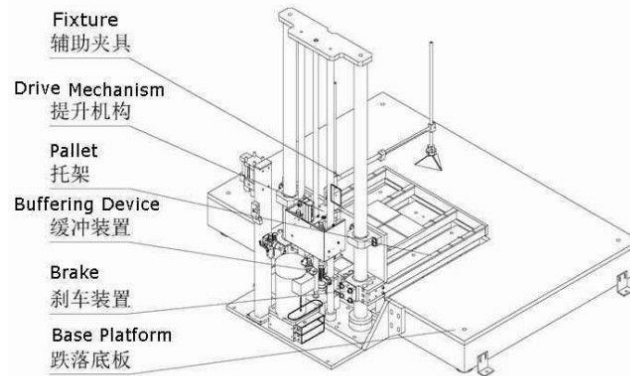
Weight range	0~100kg (accept customize)
Test space	1000*1000*1000mm(accept customize)
Test height	0~120cm, adjustable (accept customize)
Test mode	Edges, angles, surfaces of package
Controller box size	350x350x1100mm
Drive ways	Servo Motor drive + cylinder drive
Operate display	PLC+Touch screen display, directly set and easy to operate
Protect device	upper & lower part are provided with induction type protection device
Impact plate material	45# steel, solid steel
Height display	Touch screen control and display
Transmission way	Pneumatic accelerators + linear slider imported from Taiwan + copper guide sleeve +45# steel
Bracket support	45# steel, made by welding
Drop height control	Through servo motor control
Overall size	1900*1700*2800mm
Power supply	3 phase AC380V 50HZ or customized
Air pressure requirement	> 0.7MPa

Real imagines :



Operating Principle

The machine will move the drop platen which carrying the package under test to the set height, then freely fall the package at flat, edge and corner position. During test, the platen will drop at large than 1G acceleration to ensure the package performs free fall condition.



Model	SR-604L-100	SR-604L-200	SR-604L-300
Drop height(mm)	0----1200	0----1200	0---1200
Specimen weight(KG)	100	200	300
Specimen dimension(mm)	1000*1000*1000	1200*1200*1200	1200*1200*1200
Drop type	Free drop		
Machine dimension(mm)	1900*1700*2800	2100*1700*2800	2100*1700*2800
Machine Weight(kg)	300	680	890
Power supply	3 phase AC380V 50HZ		
Standards	ISO2248-72(E) GB/T4857.5 JISZ0202-87 IEC68-2-27		

What we produce? (always accept customize)

- | | | |
|------------------------------|--------------------------|--------------------------------|
| 1. Universal tensile testers | 2. Hardness testers | 3. Environmental chambers |
| 4. Mobile/Laptop testers | 5. Paper&package testers | 6. Abrasion resistance testers |
| 7. Insertion force tester | 8. Color testers | 9. Rubber/plastic testers |
| 10. Fabric testers | 11. Wire testers | 12. Other testers |



Professional packing

We have professional packaging teams and shipping forwarder to pack and deliver your products safely!

- ❖ Out packing: Standard export wooden case.
- ❖ Inner packing: With careful stretch film wrap products, hard wood board + strong bandage to fix corners.
- ❖ Checking teams: Specialized staff to inspect and classified your goods.

