

SY-41 Pneumatic Drop Tester

The SY-41 pneumatic drop tester is a newly-designed packaging testing machine in compliance with ISTA packing test standard. It is mainly used to check the drop impact resistance of the large packages when being shifted, transported, loaded or unloaded. The pneumatic test system allows the drop tests of the faces, edges and corners with different height to be easily completed.



Functions and Features

1. Driven by air pressure, the pneumatic drop tester is clean, safe and general-purposed.
2. High-strength aluminum alloy frame features nice exterior and high durability.
3. All wear parts are commonly-used components in the market. They are extremely convenient to be maintained.
4. Human-oriented and streamlined-exterior design allows the controller to be good-looking and user-friendly.
5. Real-time display and arbitrary adjustment of the lifting height can meet the requirements of different users.
6. The restriction of upper and lower displacements guarantees safe and reliable operation.
7. The use of a bilateral four-rail guiding system provides high precision and stable lifting process.
8. The face, edge and corner drop test is available in our pneumatic drop tester.
9. A special foundation is not required by the materials testing machine.

Technical Parameters

Model	SY41-100	SY41-200	SY41-300	SY41-500	SY41-1000
Max. Load (kg)	100	200	300	500	1000
Drop Height (mm)	0-1000	0-1000	0-1000	0-800	0-800

Specimen Size (mm)	1000x1000 x1000	1200x1200 x1200	1200x1200 x1200	1200x1200 x1200	1200x1200 x1200
Size of Bottom Plate (mm)	2100x1600	2400 x1600	2400x1600	2400x1600	2400x1600
Test Mode	Face, Edge, Corner	Face, Edge, Corner	Face, Edge, Corner	Face, Edge, Corner	Face, Edge, Corner
Dimension (LxWxH: mm)	2100x1600 x2800	2400x1600 x3100	2400x1600 x3100	2400x1600 x3100	2400x1600 x3100
Power Consumption (kVA)	1.5	2.2	3	4	5.5
Weight (kg)	1200	1400	1400	1500	1500
Control Cabinet (mm)	500 x 1360 x 470				
Power Supply	Three-phase 380V, 50/60Hz				
Standard	GB/T4857.5 IS02243 - 1985(E) GB/T2423.5 IEC68-2-27 ASTM D 5276-1998 ISTA 1 A/1 B:2001				
Working Environment	Temperature range 0~40°C Humidity range ≤80% (non condensing)				
Remark	Both drop height and package size can be customized in accordance with the needs of our users. The maximum drop height can reach 4m.				