

Drop Tester for Packaged Freight

DT-20e

CE Marking MODEL

Compact drop tester that can evaluate cushioning performance of your packaged freight for the packaging engineer. Those tests have been carried out only by hand.

Features

(1) Compact

Compact tester without noisy model
Tester Height : 1425mm
Installed Area : 565×400mm

(2) For Compact Packaged Freight

Specialized drop test for compact packaged freight.
Specimen max-weight : 20kg
Specimen max-Size :
W500×D370×H350mm (Surface drop)
Drop height range : 300mm~1000m

(3) Easy Operation

Simple operation for everyone can be leaded the drop test with easy and quickly cycle.



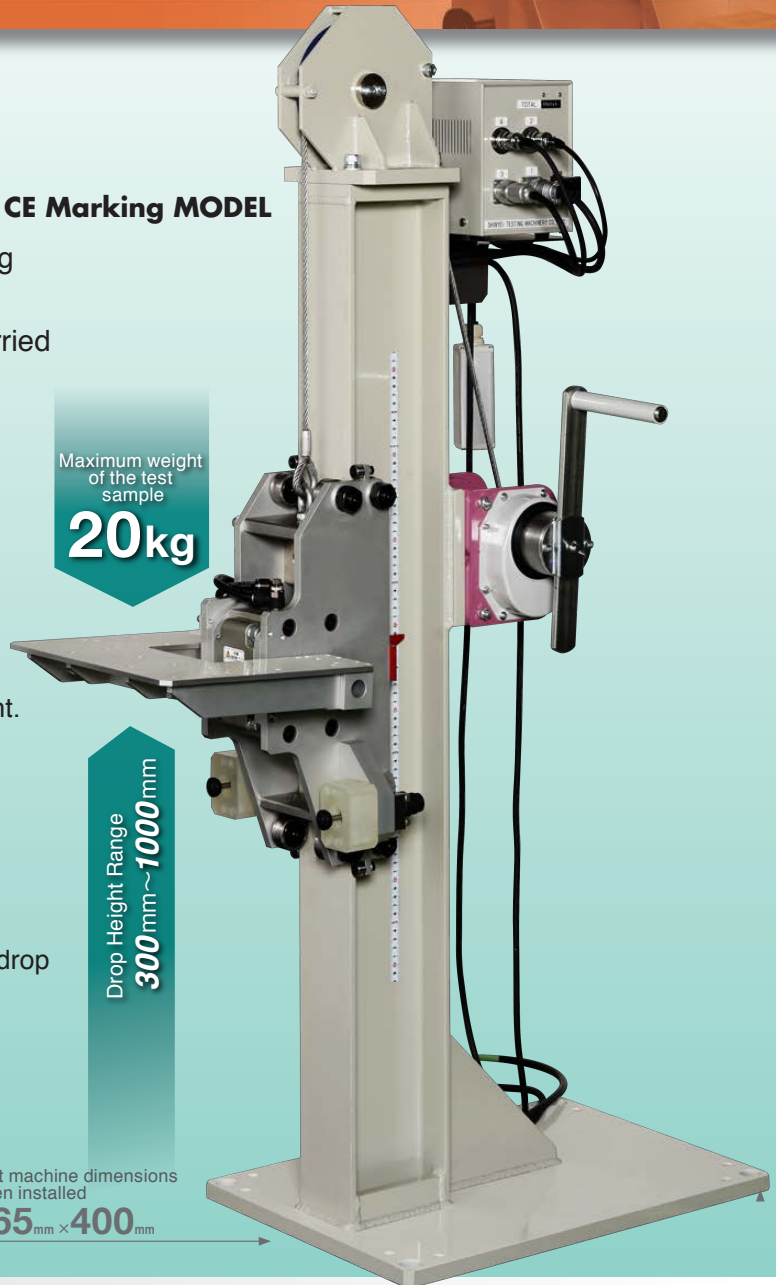
Maximum weight of the test sample

20kg

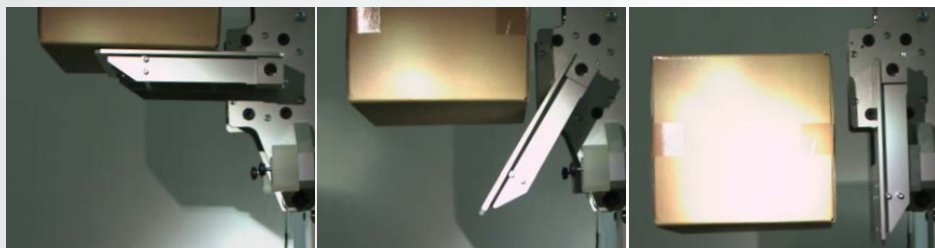
Drop Height Range
300 mm ~ 1000 mm

Test machine dimensions when installed

565 mm × 400 mm



Drop table moves to rotate so quickly and release the package without any influence. Accuracy of drop test has been evaluated by a high speed camera.



Simple drop tester for compact packaged freight brings you the testing situation with easy in your site individually.

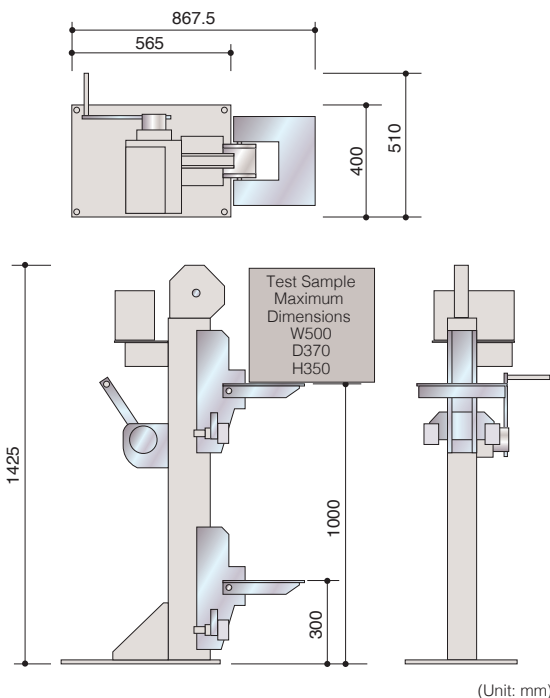
Specification

- Specimen max-weight : 20kg
- Specimen max-size : W500xD370xH350mm (at surface drop)
- Drop height range : 300~1000mm
- Hoisting : Manually Winch (with breaks)
- Installed Area : 565x400 mm
- Tester Weight : 100kg
- Power Supply : 100~240V, 50/60Hz, 5A
- Air Supply : 0.7MPa over
- Usage Temperature Range : 5°C~35°C

Option

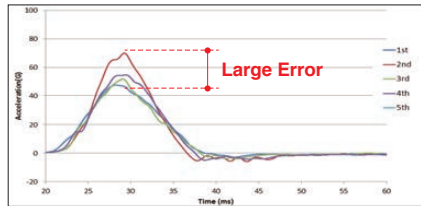
- Handy Controller, Jig for Corner and Edge drop,
- Dropped Surface Plate, Safety Equipments
- Certification: CE marking

Dimension

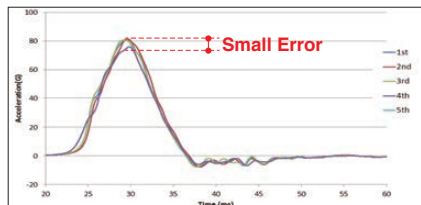


Effectiveness of Drop Tester

Drop test by hand v.s. Drop test by tester



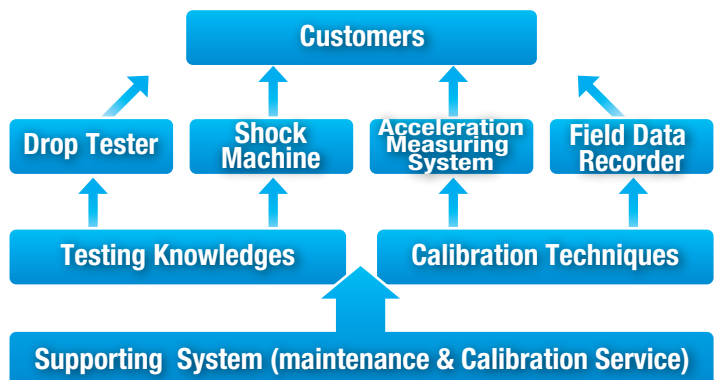
Shock pulse example by hand drop using dummy box.



Shock pulse example by DT-20e using dummy box.

In the drop test by hand, the shock acceleration has a large error at each testing and peak accelerations are small compared with the drop tester. It is significant result for packaging engineer since they might mislead their packaging design. Drop tester has been provided to conduct the drop test with accuracy.

Shinyei Testing Machinery has been providing you the testing and measuring systems with high quality based on the accumulated drop/shock testing knowledges and calibration techniques in a long time. Moreover, for your safety and reliability testing, we will continue to provide you the supporting system, maintenance and calibration service.



Shinyei Group,
Your partner for prosperous society
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Specifications and information listed in this catalog are subject to change without notice. April 2016