

Competence creates Confidence.



• Model no. 1523

IMPACT DROP TESTER FOR PACKAGING

ASTM D 2463

Sample weight max. 5 kg



You can test packaging of varying shapes and sizes for impact stress after free fall using IPT's drop testers. The packaging can be tested with its content and may consist of cans, barrels and boxes. The holding device on the platform

holds the sample in various drop positions. As the platform swings away faster than the sample's rate of acceleration, the sample's alignment does not change. This means that it hits the floor at the previously set position.

Sample in free fall

Structure

- The lifting device here is manually moved vertically by a chain drive and chain wheels using a crank. The lifting device can be fixed exactly in place at the desired drop height using a lever in combination with a clamping device on the crank axle.
- The spring-loaded platform on the lifting device that holds the sample is released by a cable pull once the release lever is actuated and then folds down vertically.
- A catch tray with an integrated, horizontal impact surface is attached at the impact point of the sample (an inclined impact surface is also included in the scope of delivery).
- A tape measure around the profile post provides the respective lifting and drop height. The zero on the scale of the tape measure is the impact point.
- Here, the low loading sill also provides for easy loading of the platform.

Mode of operation

- The sample placed on the vertically moving platform is brought to the desired drop height by turning the crank and it is secured there with the help of a locking mechanism. Activating the release lever causes the platform to fold down and so causes the sample to enter free fall.

Standard features

- Manual positioning using a hand crank
- For samples up to max. 5 kg
- Low-maintenance
- CE conformity

Options

- Safety fence with safety door
- Splash guard
- Stainless impact plate 1000 x 1000 mm

Design of IMPACT DROP TESTER FOR PACKAGING

		V1523-0001	V1523-0010	V1523-0002
Max. drop height	m	2.5	3.0	2.5
Max. sample weight	kg	2	5	5
Positioning accuracy	mm	± 10		
Height positioning and automatic		manual		
Lowest loading sill	mm	500		
Platform with holder (Width x Depth)	mm	150 x 150		
Permissible ambient temperature	°C	+ 5 to + 35		
Permissible relative humidity	%	max. 70 non-condensing		
Noise emission	dB(A)	< 70 at idle (noise development during impact: depends on material of sample.)		
Width	mm	500		
Depth	mm	600		
Base plate (Width x Depth)	mm	500 x 500		
Weight	kg	approx. 140		