

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 predefined 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 measuring tape attached to the column shows the respective lift and drop height. The zero point on the scale of the measuring tape is the point of impact.
- The low loading edge makes it easy to load 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 sample material)	
Width	mm		500	
Depth	mm		600	
Base plate (Width x Depth)	mm		500 x 500	
Weight	kg		approx. 140	