

• Model no. 1654

IMPACT DROP TESTER FOR PACKAGING

ASTM D 2463



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

- This device has a maximum load capacity of 60 kg. It is equipped with a post on which a lifting device with a platform moves vertically. The controls are housed in a control cabinet situated outside of the hazardous area.
- A touchscreen installed in the control cabinet allows the user to set the parameters of the test.
- A low loading sill allows for the platform to be loaded easily.

Mode of operation

- Once the sample is secured in the special holding device on the platform, the lifting device can be moved to the desired drop height.
- The spring-loaded platform folds down after the release is triggered.
- The sample then falls in free fall and in its original position onto the impact platform.



Standard features

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| ● Motorised design | ● Three-phase motor for positioning the platform |
| ● Max. drop height of 2 m with a total height of 2.7 m | ● Operated using a touchscreen |
| ● User is protected by operating the controls outside of the hazardous area (e.g. behind a suitable protective wall at a safe distance from the tester frame) or outside the test room | ● Acoustic signals |
| ● Measurement of drop height using digital distance measurement | ● CE conformity |

Options

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| ● Max. drop height of 3 m with a total height of 3.7 m | ● Tests can only be carried out when the safety doors are closed |
| ● Safety fence with safety door | ● Splash guard |
| ● Stainless impact plate 1,000 x 1,000 mm | |

Design of DROP TESTER FOR PACKAGING

V1654

Max. sample weight	kg	60
Max. lifting speed	m/s	0.1
Positioning accuracy	mm	± 5
Height positioning and automatic		release
Lowest loading sill	mm	550
Platform with holder (Width x Depth)	mm	400 x 500
Compressed air supply (not in scope of delivery)	bar	7 - 16
Permissible ambient temperature	°C	+5 to +30
Permissible relative humidity	%	max. 70, non-condensing
Noise emission	dB(A)	< 70 at idle (noise emission during impact: depends on material of sample)
Voltage data		230/400 V, 50/60 Hz *Special voltage