

Box Drop Tester



A box drop tester is a machine with technical specifications like drop height (e.g., 750mm to 1800mm), sample weight capacity (e.g., up to 50kg), and platform dimensions (e.g., 465 x 445 mm), designed to test the durability of packaging by simulating free-fall impacts. Key features include mechanisms for straight and angular drops, manual or motorized operation, and safety features like a locking pin. Drop testers also come with digital height indicators and can offer optional features such as pneumatic systems or customized platforms.

Specifications:

- **Drop Height:** The maximum height from which the box is dropped, often adjustable between a minimum and maximum (e.g., 750mm to 1800mm).
- **Sample Weight Capacity:** The maximum weight of the box that the tester can handle, commonly up to 50kg.
- **Platform Dimensions:** The size of the platform where the box is placed for testing, with standard sizes provided or customizable options available.
- **Sample Holding Platform:** A platform to secure the test sample and allow for various drop orientations.