

BRAND NEW N-SERIES DROP TESTER



TESTED FOR SUCCESS



Heina Ltd. is a Finnish company founded in 1988. We are proud to provide our customers with innovative, CE approved testing devices, good personal service and reliable partnership.

Our main products, Tumble Tester II, Drop Tester DT2000s, Drop Tester DT3000s, Drop Tester DT2000 "n" series and Abrasion Tumbler 640/3i are used by tens of electronic manufacturers and medical industry all around the world.

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DETAILS.**

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TRAINING.**

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DROP TESTER DT2000n

with optional high-speed camera



PRECISION DROP TESTING WITH MODERN WORKFLOW



Drop Tester DT2000n is used to test the breakage of various small products up to 5 kilograms. Features include PC hardware and software for modern drop-testing workflows.

The machine can be used to perform standardized tests in accordance with IEC 60068-2-31 IEC 60601-1 IEC 62368-1 ISO 11608-1 MIL-STD-810H, METHOD 516.8 The tester complies with directives 2006/42/EY, 2014/35/EU and 2014/30/EU, and standard SFS EN ISO 12100 has been applied.



CREATE YOUR test protocol



RECORD test data



REMOTELY monitor results



COMPARE collected data



The Drop Tester n-series enables the creation and use of predefined test protocols, which facilitates test repeatability, unifies reporting, and minimizes user errors. Remote monitoring is possible with the cloud service.

Test product is attached to the suction pads and dropped from a height of 500–2000 mm. The dropping sled guides the test item down towards the base at the wanted orientation.

MOTION ANALYSIS Optional Phantom high-speed camera allows users to really see what actually happens during the impact. With TEMA Heina motion analysis software, displacements, bounce, vibration, and other anomalies can be measured from the images.

DROP TESTER DT2000n with optional high-speed camera

Width	900 mm
Height	2 320 mm
Depth	900 mm
Weight	300 kg
Engine power	0.25 kW
Air supply / Air flow	6 bar / 150 l/min
Electrical supply	100–240 V, 50–60 Hz
BNC output	Trigger for camera
CE marking	Yes

RESTRICTIONS
Drop Tester must not be used to test explosive objects or such objects which at breaking release hazardous gases that may cause a health risk to the user or the surroundings.



DROP HEIGHT
500–2000 mm
(optional extensions up to 5000 mm)



DROP PLATFORM
Set custom drop base 0–200 mm



DROP VELOCITY
3.45–6.25 m/s



TEST CAPACITY
up to 5 kg (10 kg with EW and EWW)

Features for high-quality drop testing

- PC hardware with display
- Drop testing software
- Adjustable drop height and orientation
- Adjustable product offset: -100 to +300
- Steady aluminium frame, reliable construction
- Safety cage and electronic door lock
- Reliable and accurate results with dropping sled
- Minimal orientation variation
- Easy access to product for inspection
- Drop counter
- High frequency video camera trigger output

OPTIONAL FEATURES

- Extended drop height up to 5 000 mm
- Larger EW and EWW models for bigger and/or heavier products (eg laptop), up to 10 kg
- Accessories, such as Pneumatic Gripper, Large Vacuum Head, different types of suction cups with quick connectors, Placement Jig, etc.

PHANTOM HIGH-SPEED CAMERA (OPTIONAL)

- 10 m Ethernet cable
- BNC cable
- Power source
- Software
- F or C – mount adapter
- Zeiss 50mm f/1.4 optic
- Zeiss 100mm f/2.0 optic
- Stand for camera
- Manfrotto head for camera
- Pelican protective cases
- Hatch for clear entry when filming

LED LIGHTS

- 1 pcs / 25 W (12° opening angle)
- 2 pcs / 60 W (34° opening angle)
- Flicker-free lights
- IK09 tested (LED frame & panel)
- Adjustable mounting
- Non-reflective back plate
- Separate switch for lights

High-speed camera with led lights is also available to older Drop Testers!

