

# Drop Tester DT2000s

with optional high speed camera



## High-class drop testing

Heinä's Drop Tester is used to test the breakage of various small items and components.

## Operating principles

The item to be tested is attached to the suction pads of the machine and dropped from selected speed of 3,5 – 6,25 m/s or height of 600-2000 mm.

The dropping tray guides the item down towards the base in a right angle. With our Drop Tester you can also attach a high frequency video camera to the equipment in order to verify what actually happens, when the tested item hits the base of the machine.

The Drop Tester is conformable to the European Machine Directive 89/392 and its amendments 91/368, 93/44 and 93/68.

## Special features

- Steady aluminium frame, reliable construction
- Safety gate, roof and electronic door lock
- IEC 60068-2-31 standard drop test
- IEC 60601-1 standard drop test
- Standard MIL-STD-810G, Method 516.5
- CE certified
- Adjustable drop speed
- Adjustable drop height
- Reliable and accurate results with dropping tray
- Easy access to product for inspection
- Presettable drop counter
- Inspection counter
- High frequency video camera trigger output
- Different types of suction cups available
- Equipped with fast connector

### NEW OPTION!

#### High speed camera with led lights

- 8GB memory
- 800x600 @ 6600fps (=3,2Gpx/s)
- 5m Ethernet cable
- Power source
- Program (CD-ROM)
- Break-out-Box coupling panel
- F-optics adapter
- 50mm f/1.2 optic
- 105mm f/2.8 optic
- BNC cable
- Stand for camera (coupling for DT)
- Transit case for camera
- Hatch for clear entry when filming

#### Led lights

- 2 pcs
- 6000k / 52W
- Pro200 Oslon
- 30 degree lenses
- 6000 Lumen
- Adjustable attachment
- Non-shining back plate
- Separately switch for lights

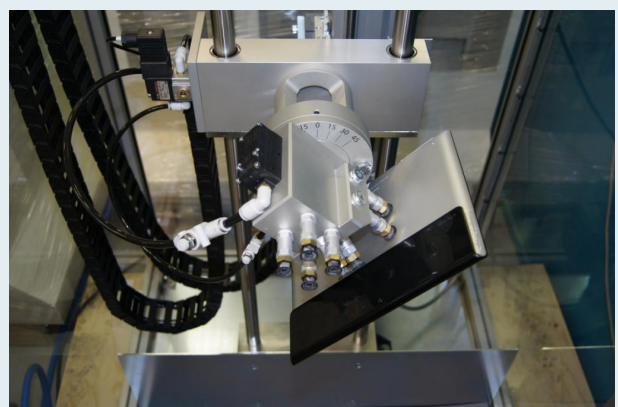
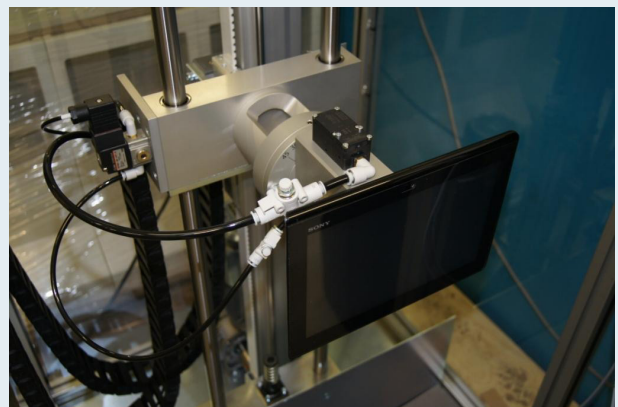
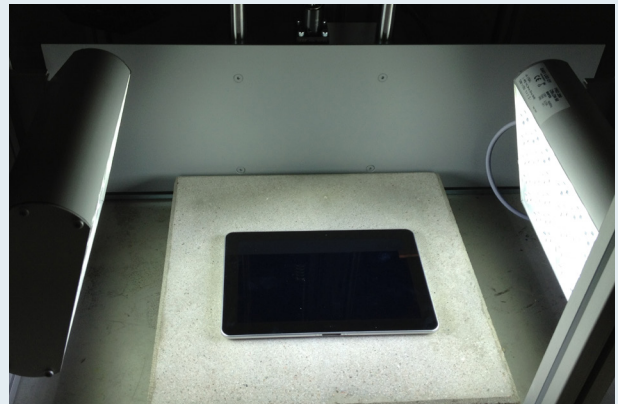
**High speed camera with led lights is also available to older Drop Testers! We also provide you with user training. Please contact us for more details. Vacuum head shown in the images is an option.**

#### Technical specifications

<b>Width:</b>	900 mm
<b>Height:</b>	2400 mm
<b>Depth:</b>	900 mm
<b>Fall heights:</b>	600–2000 mm
<b>Terminal velocity, stepless adjustment:</b>	3,5–6,25 m/s
<b>Engine power:</b>	0,25 KW
<b>Air supply / Air Flow</b>	6 bar / 150 l/min
<b>Electrical supply:</b>	100–240 V, 50–60 Hz
<b>Machine weight:</b>	300 kg
<b>Max item weight:</b>	1 kg
<b>CE-marking:</b>	Yes
<b>Drop platform:</b>	Concrete block 400 x 400 x 50 mm

#### 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.



Konepaja-Heinä Oy 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 and Abrasion Tumbler 640/3i are used by tens of electronic manufacturers and medical industry all around the world.

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