Product name:	Product code:
Pneumatic Release Drop Impact Tester for HDPE Bottles	CMI-IND-0548

Description

Drop tester with pneumatic bottle release that drops filled HDPE bottles from a staircase of heights to calculate mean failure height. Used by dairy, lubricant and chemical bottle makers to qualify wall and base design.

Technical specification

Standard Accessories

- Gripper head
- Impact plate

A filled and capped bottle is held by suction or a clamp and dropped at the chosen orientation from heights up to 2 m. The up-and-down method reports the height at which 50 percent fail. The pneumatic release stops tilting and gives repeatable impact orientation.

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Features

- Vacuum or clamp gripper with pneumatic release
- Digital height scale with motor lift
- Hardened impact base plate
- Adjustable head for base and side drops
- Polycarbonate safety enclosure

Technical Specifications

Test standards	ASTM D2463 (drop impact of blow moulded containers)
Drop height	0.2 to 2.0 m
Height resolution	1 mm
Max weight	10 kg filled
Impact plate	Steel 500 x 500 x 20 mm
Release	Pneumatic, 6 bar
Orientation	Base, side, neck, shoulder
Power supply	230 V AC, 50 Hz