Product name:	Product code:
Foam Dynamic Fatigue Tester with Constant Force Pounding	CMI-IND-0505

Description

Pounding fatigue machine that repeatedly compresses foam cushions with a loaded indenter to measure loss of height and hardness. Used by seating and mattress makers for durability validation under ASTM D3574 and ISO 3385.

Technical specification

- Indenter foot
- Weight set
- Specimen conditioning rack

A motor driven indenter foot pounds the foam sample at a set frequency for up to 80,000 cycles. Thickness and IFD loss are measured before and after the run. The machine helps compare foam grades and predict seat cushion life.

Features

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- Load oscillation limited within 2.5 mm tolerance
- Preset digital cycle counter with auto stop
- Adjustable load of 750 N for constant force fatigue
- Heavy steel frame with perforated bed
- Guarded moving parts and emergency stop

Technical Specifications

Test standards	ASTM D3574 Test I, ISO 3385, IS 7888
Cycle frequency	70 +/-5 cycles per minute
Cycle count	Preset 1 to 999,999
Indenter	250 mm dia flat foot
Applied load	750 N constant force (by weights)
Specimen size	380 x 380 x 100 mm
Drive	0.75 kW motor with gearbox
Power supply	415 V, 3 phase, 50 Hz

Standard Accessories