Foam Constant Load Pounding Machine
Model: F0021

a measurable difference...

The Constant Load Pounding Machine is used for the determination of loss in thickness and loss in hardness of flexible cellular materials intended for use in upholstery.

This test provides a means of assessing the service performance of flexible cellular materials used in load-bearing upholstery. The test can be performed on both standard size test pieces cut from stock material and shaped samples.

The test is performed by the indentor repeatedly compressing the test piece. A pneumatic cylinder is mounted inside the machine, raising the base platen to pound against the circular indentor. A set of weights are fixed on top of the indentor to give a repetitive load against the sample. A maximum load of 750N per cycle is run for 80,000 continuous load cycles at 70cpm according to international standards. The machine also performs standard tests with viscoelastic memory foams at 10cpm for 12,000 cycles according to ASTM D3574. This machine can be set for 0 to 999,999 cycles.

For added safety, the sample area is fully enclosed, with limit switches put in place so all operation is ceased if the door is opened, ensuring no harm come to operators.

Applications:

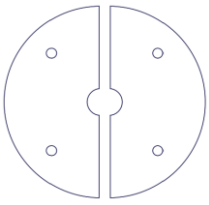
- Foam
- Seating
- Polyurethane

Benefits:

- Easy to use
- Fast results
- Accurate

Features:

- 21.5 kg Indentor Assembly
- 1 x 10 kg Weight set (2 pcs)
- 2 x 20 kg Weight sets (4 pcs)
- 1 x 5 kg Weight set (2 pcs)
- Up/Down Indicator lights
- Pressure Regulator
- Timer, 0 - 99 minutes
- Counter, 0 - 999,999 cycles
- Start/Stop Buttons
- Open Door Safety Switches
- Emergency Stop Switch



Note: Each weight set consists of 2 x half round pcs

10 - 11 Colrado Court
Hallam, Victoria 3803 Australia
Tel: +61 3 9708 6885
Fax: +61 3 9708 6770
idm@idminstruments.com.au
www.idminstruments.com.au

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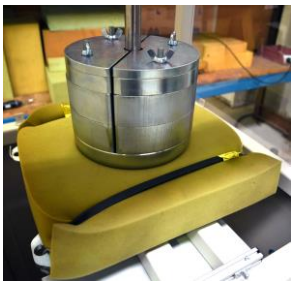
Specifications:

Plane Platen	550mm x 410mm *Working Area: 380mm x 380mm*
Indentor	Head Diameter: 250 ± 1mm Head Corner Radius: 25 ± 1 mm
Maximum force	750 ± 20 N
Adjustable cycle speed	70cpm setting: 70 ± 5 cpm 10cpm setting: 10 ± 1 cpm
Max sample thickness	200mm

Standards:

- AS 2282.12
- ASTM D3574
- ISO 3385
- BS EN ISO 3385
- DIN EN ISO 3385
- EN ISO 3385
- JIS K 6400



Indentor with weights, test sample and plane platen

Control Panel

Connections:

- **Air:** 600kpa - 800kpa
  Air volume sufficient to operate for an extended period of time
- **Electrical:** 220/240 VAC @ 50 HZ or
  110 VAC @ 60 HZ
  please specify when ordering

Dimensions:

- **H:** 1,870mm
- **W:** 860mm
- **D:** 875mm
- **Weight:** 280kg

Related Items:

Use the F0028 Foam Compression Tester for determining the deflection force of foam.

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