

Roller Shear Machine

Model: R0010

a measurable difference...

IDM[®]
instruments

The Roller Shear Machine is used to determine the resistance to compression fatigue of flexible cellular polyurethane using dynamic roller compression test. The Roller Shear Machine fatigues a specimen dynamically with a constant force deflecting the material both vertically and laterally. It has been used for many years in the foam industry to determine the percentage loss in thickness.

Applications:

- Flexible Cellular Polyurethane

Features:

- Base Platen: 500mm x 500mm
- Roller: 500mm long, 76.0mm dia.
- Roller Offset 15°
- Roller loading 130N (adjustable)
- Cycle frequency 0.5Hz
- Stroke length 300mm
- Cycle Counter
- Floor standing machine
- Safety Guard

Benefits:

- Easy to use
- Fast results
- Accurate

Standards:

- ASTM D1564
- AS 2282.12 Clause 3.3, Method B
- ASTM D3574

Options:

- N/A



Connections:

- **Electrical:** 220/240 VAC @ 50 HZ or 110 VAC @ 60 HZ
(please specify when ordering)

Dimensions:

- **H:** 1,500mm
- **W:** 1,620mm
- **D:** 800mm
- **Weight:** 220kg