

TESTING INSTRUMENTS FOR
A MEASURABLE DIFFERENCE...

IDM
instruments

ROLLER SHEAR TESTER

MODEL: IDM-R0010-M1



INTRODUCTION

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.

FEATURES

- Floor Mount operation for easy mounting of test pieces
- 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

APPLICATIONS

- Mattresses
- Flexible cellular polyurethane
- Car seats & Bike seats

STANDARDS

- ASTM D1564
- AS 2282.12 Clause 3.3, Method B
- ASTM D3574
- JIS K 6400

DIMENSIONS

Instrument:

- H: 1500 mm
- W: 1620 mm
- D: 800 mm
- Weight: 220 kg

CONNECTIONS

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

WARRANTY AND CALIBRATION SERVICES

- 1 year Warranty
- Our Preventive Maintenance and Calibration (PM&C) program has been designed to make the maintenance and calibration of your valuable testing equipment more cost effective by preventing breakdowns and downtime by regular calibration, service and replacement of defective parts. Talk to us about this today.