

## Foam tamping machine

The foam tamping machine is used to determine the thickness loss and the hardness loss of flexible cellular materials intended for use in upholstery. This test provides a measure to evaluate the performance of flexible cellular materials of the latex and polyurethane grades that are used in load-bearing applications. The test can be performed on test pieces in standard sizes as well as on molded components. The test can be performed on test pieces in standard sizes as well as on molded components.

The test principle simulates the penetration of a test piece. This is smaller than the test piece. The max. achievable force in each cycle is 750 N. Test cycles with up to 80,000 load cycles are possible.

A pneumatic cylinder within the machine raises the base plate to strike against the circular indenter. A set of weights is fixed on the indenter to provide a repeated load against the specimen. For safety, the sample chamber is completely closed. By means of a limit switch, the position is monitored by means of a limit switch, and the test is immediately terminated immediately.



### Applications:

- Foam
- Support surfaces
- polyurethane

### performances:

- Easy to use
- Fast results
- Accurate, reproducible

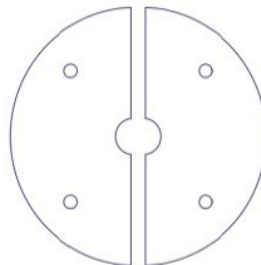
### Specifications:

- Tarpaulin panels 550mm x 550mm  
(Working area: 380mm x 380mm)
- Indenter:  $\varnothing 250 \pm 1\text{mm}$   
Radius  $25 \pm 1\text{mm}$
- Maximum force of  $750 \pm 20\text{ N}$
- adjustable stroke
- Speed:  
70 load cycles/min Tolerance  $\pm 5$   
10 load cycles/min tolerance  $\pm 1$

### Dimensions:

- H: 1800mm
- W: 880mm
- D: 760mm
- Weight: 300kg

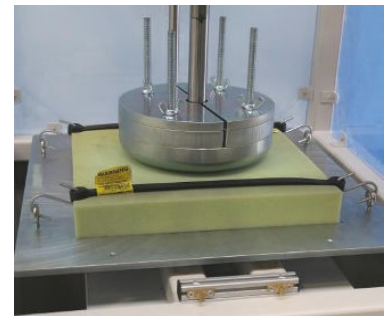
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*Note: Each weight set consists of 2 semicircular parts*

### Characteristics:

- 21.5 kg indenter
- 2 x 20 kg weight sets (4pcs)
- 1 x 10 kg weight sets (2pcs)
- 1 x 5 kg weight sets (2pcs)
- Up / down display
- Counter
- Regulator
- Start / Stop
- timer
- Emergency stop switch



*Test specimen with indenter*

*Connections:*

- Air: 600kpa - 800kpa, with sufficient air volume.
- Electrical: 220/240 VAC @ 50 HZ or 110 VAC @ 60 HZ  
(Please specify when ordering)

**Standards:**

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



*Control*

**Environmental conditions:**

- Operating temperature: -10°C to 55°C  
no condensation or icing)
- Operating humidity: 25% to 65
- Storage temperature: -25°C to 65°C  
no condensation or icing)