

## Mattress Rollator

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### Model: M0010

The Mattress Rollator has been manufactured to determine the durability of any type of mattress and boxspring unit, regardless of the materials of construction, by simulating long-term use conditions.

There are several different methods used in the mattress industry for the evaluation of innerspring and box spring mattresses. The Cornell Type Tester is used to test for firmness and firmness retention, the Mattress Rollator is used to test for durability and the Bedding Impact Tester is used to assess the effect of impact.



The Mattress Rollator consists of a weighted roller which moves width ways across a test mattress to simulate body movement. The length of stroke to which the Roller moves is very easily adjusted, by sliding the stroke adjustors left or right, to suit the relevant mattress under test. Unloading and loading of the Roller onto the test mattress is done easily via a motor driven lifting assembly.

A Light Curtain Safety Enclosure is used with the Mattress Rollator to ensure no harm comes to the operator or others in the testing area. The Light Curtain Safety Enclosure together with the Mirror Reflectors ensures optimum safety in that as soon as foreign objects obstruct the Light Curtain, the Mattress Rollator will stop operating.

A Carrier Frame has been constructed to suit all sized mattresses, and should be placed in such a way that the Roller rolls from side to side and in the centre of the mattress. This Roller movement should then simulate a realistic sleeper action. Adjustable end stops are fitted across the side of the mattress to hold the mattress during testing.

The Control Panel is the operation centre of the Mattress Rollator. As the Mattress Rollator performs the one basic movement repetitively, the Control Panel needs only limited controls to enable the operator to perform test cycles.

The 6-Sided Roller is made from coated plywood sections, and each section has the option of additional cleats. The cleats are attached via a nut and bolt so the internal section of the Roller will need to be accessed.

The Round Roller is also made of coated plywood sections, with a diameter of 250mm  $\pm$  1mm at the ends and 300mm  $\pm$  1mm in the middle. It is capable of following the surface of the mattress, and is free to move up and down to follow the mattress surface.

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## Mattress Rollator

### Application:

- Boxspring Mattresses
- Innerspring Mattresses
- Polyurethane Mattresses

### Features:

- Electronic Counter and Totalizer
- Solid Construction
- Light Curtain Safety Enclosure
- Simple Stroke Setting

### Standards:

- ASTM F1566
- BS EN 1957:2000
- American Innerspring Manufacturers

### Options:

- 6 Sided Roller – 109kg
- 8 Sided Roller
- Cleats
- Round Roller – 140kg

### Connections:

- **Electrical:** 320-440VAC @ 50/60 HZ 3 Phase  
100-250 VAC @ 50/60 HZ 3 Phase

*(please specify when ordering)*

### Dimensions:

- **H:** 2,100mm    • **W:** 4,000mm    • **D:** 2,150mm
- **Weight:** 600kg



Rounded Roller



6 Sided Roller



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