



- Gives information on 'bedding-down' of carpets
- Simulates walking compression and shearing effects
- British and International Standard method of test

The WIRA Dynamic Loading Machine gives information on the 'bedding-down' of the pile, by simulating two of the main actions of walking: compression, and the shearing effect at the edge of the shoe.

## ERGONOMIC DESIGN

**Conforms to:**  
**ISO 2094:1999 (BS)**

*Dimensions:*  
*Width: 500mm*  
*Depth: 500mm*  
*Height: 370mm*  
*Power Consumption 250W*

## Test Method

The weight has two rectangular steel feet, 51mm by 6.5mm and 9.5mm deep, attached to its underside, 38.1mm apart. By means of a pivoted arm, a cam raises the weight and then allows it to fall freely from a controlled height on to the carpet specimen every five seconds. The steel plate to which the specimen is clamped, is slowly and continuously traversed in such a way that there is 3.2mm movement between each drop of the weight.

There is thus a half-overlap by the steel feet at each impact. A complete traverse forwards and back is completed after every 25 impacts, producing a uniformly compressed area 50mm wide by 90mm long.