## Flex Abrasion (Scrub) Tester

The purpose of the machine is to assess the adhesion of coating on fabrics.
The test simulates the simple hand test for adhesion where a fabric is held between the thumb and forefinger of both hands and rapidly flexed while rubbing together.

Our Flex Abrasion (Scrub) Tester is designed for testing to ISO 5981:2007 standard, although it can be offered with slight dimension changes to suit individual customer requirements, or to test to other suitable standards

NOMINAL DIMENSIONS AND CHARACTERISTICS

| | FAB-ISO-5981 | FAB-LW |
|---|---|---|
| Frequency: cycles /sec | 2.6 | 2.6 |
| Amplitude of movement | 40mm | 40mm |
| Length of foot | 100mm | 100mm |
| Foot width, mm | 10.0 | 11.5 |
| Gap between clamps, mm | 12.0 | 12.0 |
| Base bar width, mm | 10.0 | 11.0 |
| Load applied by foot | 5N or 10N | 10N |
| Distance between base bar & upper plane of lower clamp | 6mm or 3mm | 3mm |

**FAB-LW has been optimized for use with lightweight silicon coated material, as used in airbags for example, to minimize material riding up between clamps and feet**

In the test a 100mm x 50mm coated fabric sample is loaded into the machine, which gives a pre-selected number of scrubs while a load presses on the fabric. When the . scrub cycle is completed, the fabric is examined for damag
The machine comes with an electronic counter, with automatic stop when pre-selected number of scrubs are reached. The machine is fitted with easy to use quick release clamps
The clear safety cover prevents use if lifted, via a two-channel safety switch, therefore . ensuring health and safety of operator
The power requirements are

230v ac or 110v ac 50/60Hz **to be agreed at time of placing order.**
150 watts approx.
Mains inlet by IEC socket
Fuse at 4 amp

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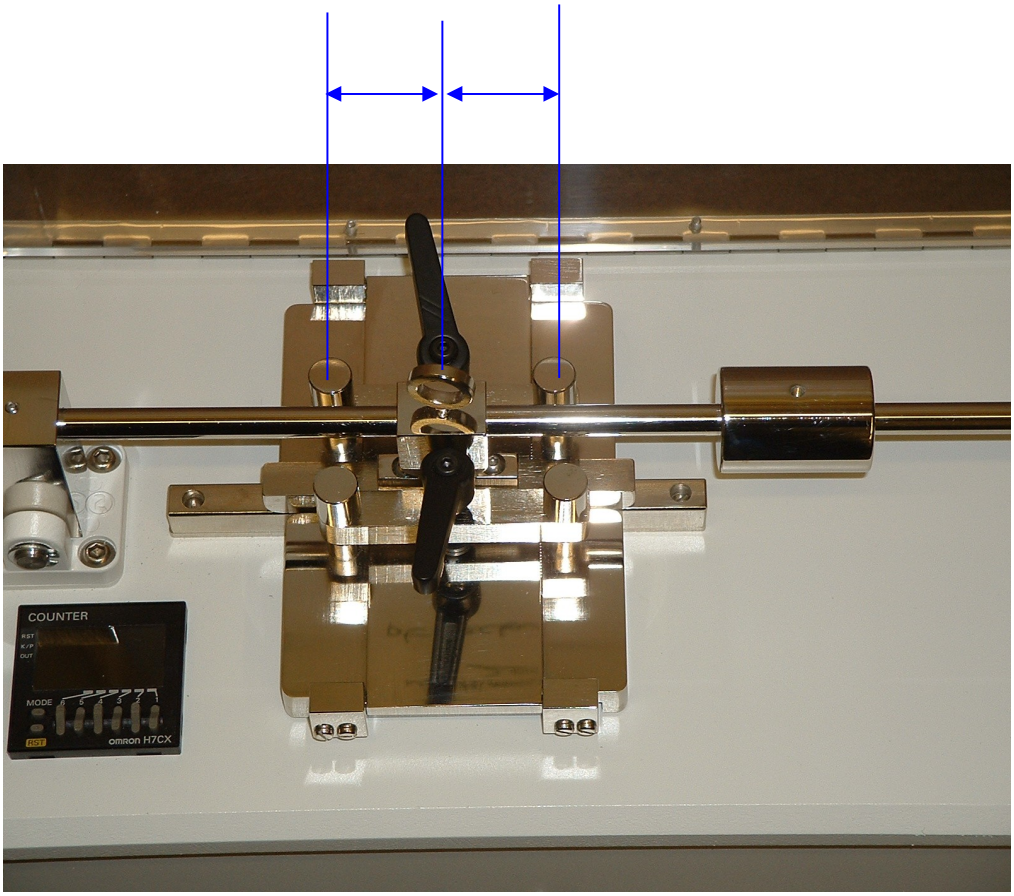
Adjust clamps to be exactly opposite each other.
The measuring ring must be at centre of clamps.




measure downwards force on foot
using spring balance (or force gauge)
attached to measuring ring.

move weight to set force to 10N +/- 0.2N