

## ISO 5981 Flex Abrasion Tester GT-C23



**Application:**

**Flex Abrasion Tester GT-C23;** This Tester is evaluated the resistance to combined shear flexing and rubbing of rubber or plastics-coated fabrics.

**Standards:**  
ISO 5981

## Test Principle

The sample is subjected to Continuous bending. Then the bent portion will be subjected to a series of flexing and rubbing, and observe the wear pattern of sample visually.

There are 2 methods:

Pressure method(A) and without application of the pressure foot(B).

**Pressure method(method A):** Forced by application of a pressure foot. And the sample is damaged by the friction of the platen. Thus testing resistance to combined shear flexing and rubbing. It is for materials with sticky surfaces, light coatings such as polyurethanes on rough surfaces.

**without application of the pressure foot(method B):** Rubbing is caused by simple contact between the faces of the test pieces. Then evaluated the resistance to combined shear flexing and rubbing coated samples.

## Key Specifications

Model	GT-C23
Distance between clamps	12 mm $\pm$ 0.3 mm
Amplitude of movement	40 mm $\pm$ 1 mm
Test Speed	144 ~ 180 times/min(2.4 ~ 3.0Hz)
Pressure foot	(100 $\pm$ 1) $\times$ 10 $\pm$ 0.2)mm
Load applied through the foot	5 $\pm$ 0.1 N, or 10 N $\pm$ 0.2 N by addition of a supplementary load
Sample Size	(100 $\pm$ 0.25) $\times$ (50 $\pm$ 0.25)mm
Power supply	AC 220V 50/60HZ
Dimensions	39cm $\times$ 50cm $\times$ 23cm (L x W x H)
Weight	40kg
Standards	ISO 5981