

## **DTC Dynamic Testing Consultants**

### **Specimen Cutter model SC199D**

#### **Product Description**

The apparatus is intended for cutting precise strips for consequent testing in DTC Hot tack testers or tensile testers. Special consideration in the design has been taken to the behaviour of thin films which often are not so easy to be handled in other cutting devices.

A pre-cut sheet of the material to be cut is laid on the table and fed under the lifted arm. Then the operator presses down the arm and draws the cutting sled over the sheet from position A to B. The arm will then be lifted slightly and the sheet will be moved further under the arm for the next cut.



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The force directed down on the handle will be approx. 10 – 15 N.

In the cutting sled there is the knife holder for the two cutting blades providing the specified strip width which is 25 mm for the standard cutter. However, smaller strip widths of 15 or 20 mm can be provided by optional knife holders.

The cutting blades work against a cutting pad covered with an elastomeric material of selected hardness grade and good wear resistance.

The material to be cut is held in place by self-aligning compression beams covered with soft compression strips thus providing even compression force over the whole strip.

The cutting pad – when worn out by deep scores - can be turned around in 4 different positions providing four-fold life time.

#### **Specifications:**

Cutting strip width: 25 mm (standard, 1" option)

Additional cutting sleds for 15, 20, mm available.

Accuracy of strip width: +/- 0.1 mm

Strip length: 290 mm max.

Thickness of material to be cut: depending on hardness.

Plastic films	approx. 0.02 – 1 mm (can be cut stacked)
Paper	up to approx. 1 mm
Paper board	up to approx. 1 mm
Soft materials	max. 5 mm

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