



CONSTANT VOLUME SAMPLE CUTTER

VOLUMETRIC DIE CUTTING MACHINES FOR PREPARATION OF CONSTANT VOLUME SPECIMENS FOR MD RHEOMETER, OD RHEOMETER OR MOONEY VISCOMETER



Description

Preparation of specimens with constant volume for MD Rheometer, OD Rheometer and Mooney Viscometer from raw rubber compounds ensures greater repeatability of results and eliminates the manual preparation operation.

Gibitre produces two models for the preparation of Test Pieces for Rheometer or Mooney Viscometer. The new construction of the machines, with an open structure in the front side, allows even large pieces or strips of raw compound to be placed and cut. The front protective screen of the pneumatically activated machine automatically descends before the start of the cutting operation to ensure that the

machine can be used safely in accordance with CE safety requirements.

The cutting mechanism adopts a double-action piston to press the compound to the required thickness and subsequently activate the cutting die to obtain specimens with the required volume even with compounds of high hardness.

The machines can be adjusted in order to obtain exactly the required volume according to the control specifications defined by your laboratory.

Constant Volume Sample Cutters - Rheometer

The machine allows you to produce specimens with the volume required by ISO 6502-3 and ASTM D5289 standards for the MD rheometer (adjustable

from 4 to 5.5cm³) or ISO 6502-2 and ASTM D2084 standards for the OD rheometer (adjustable from 8 to 11cm³).

Constant Volume Sample Cutters - Mooney Viscometer

The machine makes it possible to produce specimens with volume to standard for Mooney Viscometer and to perform cutting of the central part of the specimen for rotor insertion.

The specimens have diameter 35 mm and the volume required by ISO 289 and ASTM D1646 standards (adjustable from 12 to 13cm³)

Sample Diameter: 35 mm

Samples obtainable: Volume adjustable between 2 and 15 cm³

Volume Accuracy: 0.1 %

Maximum Thickness of Green rubber to cut: 25 mm

Force produced: 1200 Kg (at six bar air pressure)

Default Sample Volume: MD Rheometer: 4.8 cm³; OD Rheometer: 9.5 cm³; Mooney Viscometer: 2 x 12.5 cm³

Safety devices: Pneumatically operated interlocked transparent safety door

Labelling: CE Labelling

