



Laboratory rubber splitting machine

Laboratory Splitting machine for preparing test samples for laboratory tests starting from finished rubber products



Description

The machine permits to produce samples with customer defined thickness starting from finished products.

The part to be cut is inserted between the motor-driven feed steel rollers and a blade, whose position can be regulated with 0,01 mm accuracy, splits the part horizontally.

The high quality mechanical construction of the machine, the sharpening device with micrometric drive, the regulable feed speed and the integrated lubrication system of the blade ensure excellent results while splitting rubber or thermoplastic products with hardness between 30 and 75 Shore A.

Instrument characteristics

Working width 300 mm

Max. cutting thickness 8 mm

Min. cutting thickness 0.1 mm (with the bar) and 0.5 mm (with the roller).

Manual Micrometric knife positioning and compensation for knife consumption.

Sharpening device with micrometric drive.

Feed speeds: manual speed selection: 0.9 / 1.8 / 2.8 m/min

Upper and lower motor driven steel feed rollers.

Control panel with digital thickness indicator.

Sharpening device with micrometric drive.

Optical group to control the chamfer

position and symmetry.

Automatic lubrication unit for the blade of the Splitting machine.

Big Pulleys.

Quick change upper roller/guide bar.

Self adjusting knife guide plate.

High precision guides.

CE safety systems.

Quick maintenance.

Accessories

Removable aspiration unit.

Guide Bar for permitting the cut with minimum thickness 0,1 mm (instead then standard minimum thickness 0,5 mm obtained with thickness regulation roller). The Bar can be easily interchanged with the standard regulation roller.

The machine permits to prepare samples according to	ISO 23529, ASTM D 3183
Working width	300 mm
Maximum cutting thickness	8 mm
Minimum cutting thickness	0.5 mm (with Roller), 0.1 mm (with optional regulation bar)
Sharpening system	Sharpening device with micrometric drive integrated in the machine
Regulation of the blade	Manual Micrometric knife positioning and compensation for knife consumption. Optical group to control the chamfer position and symmetry.
Feed	Manual feed speed selection: 0.9, 1.8, 2.8 m/min
Splitting thickness regulation	Manual Regulation. Control panel with digital thickness indicator.
Knife dimension	2768 x 40 x 0.6 mm
Power	380 VAC ±10%, 50Hz ±3, 2,7 Kw, three phase - Other on Request
Aspiration Unit (optional)	Removable aspiration unit. Power 250 W
Lubrication Unit	Automatic lubrication unit with lubrication tank
Dimension of the machine	(Width x Depth x Height) 1150 x 500 x 670 mm
Weight	350 kg