

# SPLITTING MACHINE

LABORATORY SPLITTING MACHINE FOR THE PREPARATION OF TEST SAMPLES  
STARTING FROM FINISHED RUBBER PRODUCTS



**gibitre**<sup>®</sup>  
INSTRUMENTS

## Standards the instrument complies with:

ASTM D1056; ASTM D3183; EN 60811-1-1; IEC 60811\_1\_1; ISO 23529;

### 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, which 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 adjustable 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
- Maximum cutting thickness 8 mm
- Minimum cutting thickness 0.5 mm
- 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 with 0.01 mm resolution.
- Optical group to control the chamfer position and symmetry.
- Automatic lubrication unit for the blade of the Splitting machine.
- Self adjusting knife guide plate.
- CE safety systems.
- Easy maintenance.

### Accessories

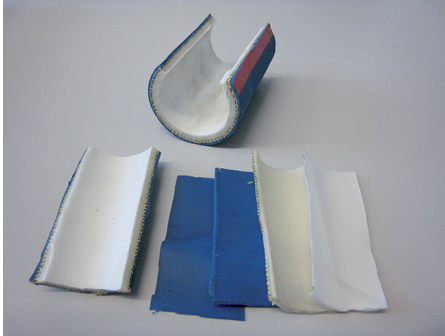
- Removable aspiration unit.
- Guide Bar for permitting the cut with minimum thickness 0,1 mm (instead of standard minimum thickness 0,5 mm obtained with thickness regulation roller).



## Specimens from multilayer Hoses

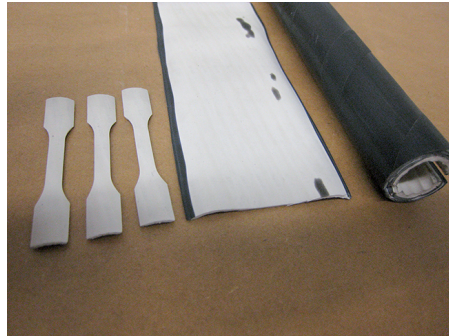
The machine can be successfully used to:

- prepare samples from each layer of multi-layer rubber hoses



## Specimens from Cables

- prepare samples for each layer of multi-layer rubber or plastic cables



## .... and much more

- obtain samples from slices of big rubber parts
- Obtain samples from Tires ... and much more



## Safety devices

- Safety Push-button
- Safety switches to block activation with open protections
- CE labelling

**CE**

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**Instrument Characteristics**

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**Working width** 300 mm

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**Minimum cutting thickness** 0.5

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**Maximum cutting thickness** 8 mm

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**Adjustment of cutting thickness** Digital display with 0.01 mm resolution

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**Sharpening system** Sharpening device with micrometric drive integrated in the machine

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**Splitting thickness regulation** Manual Regulation. Control panel with digital thickness display with 0.01 mm resolution.

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**Feed** Manual feed speed selection: 0.9, 1.8, 2.8 m/min

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**Regulation of the blade** Manual Micrometric knife positioning and compensation for knife consumption.  
Optical group to control the chamfer position and symmetry.

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**Lubrication Unit** Automatic lubrication unit with lubrication tank

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**Aspiration Unit (optional)** Removable aspiration unit. Power 250 W

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**Construction Characteristics**

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**Power** 380 VAC  $\pm 10\%$ , 50Hz  $\pm 3$ , 2,7 Kw, three phase - Other on Request

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**Dimension of the Band-knife** 2768 x 40 x 0.6 mm

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**Dimension of the machine** (Width x Depth x Height) 1200 x 900 x 1100 mm

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**Weight** 350 kg

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**Safety Devices**

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**Safety Devices** Safety Pushbutton  
Safety switches for mobile protections

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**Labelling** CE Labelling

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