

# Tire Section Cutting Machines

## Vertical Band Saw Machines

Pieces to cut: Tires up to Ø 1200mm

The frame of machine, is made in welded and stress relived steel. It is engineered for tire's cutting.

### FLYWHEELS

The machine is equipped with two flywheels made in cast iron, of which lower one is driven by 7.5kw motor, and upper one turns free on bearings hub.

The upper flywheel is assembled on cast iron guide, for blade tensioning by an hydraulic cylinder. In case of blade breakage the limit switch stops the machine

### TABLE

The table slide on linear guide rails and is driven by hydraulic cylinder, equipped with feeding regulator. The table is tilted 3° in order to reduce cutting surface at the begin of cut.

On the table there are 4 "T" slots for fixing the material, or install the fixture (Optional).

Also is installed a manual system that allowed to choose cutting measure. At the end of cut table and blade stops automatically

### GUIDEBLADE

The blade is guided in two positions, under the table and on an adjustable moving arm on upper part of the frame.

Back of the blade is guided by hardened roller which turns on bearing. The blade sides are guided by two hardened rollers, which turns on high speed bearings.

### HYDRAULIC UNIT

Hydraulic unit is made of 25liters tank, equipped with fixed flow pump.

The electro-valves are assembled on the tank. The unit is also equipped with manometers and pressure regulators.

### BLADE LUBRICATION UNIT

The machine is equipped with oil mist lubrication. It works mixing oil and pressurized air, spraying the lubricant directly on blade teeth.

It is made of 3 lts tank, equipped with filter and on/off valves. It starts with blade rotation. Onboard are installed air and oil flow regulators. The level is controlled by electric float



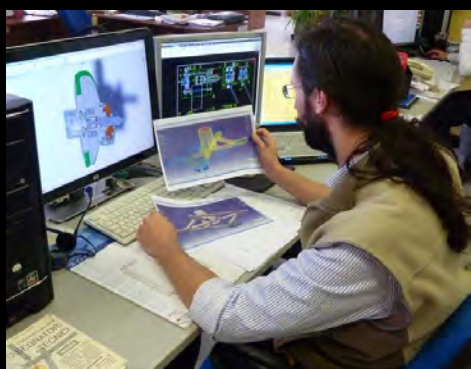
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## TECHNICAL DATA

Cutting capacity	mm. $\leftrightarrow$ 600 x 450 $\updownarrow$
Flywheels diameter	mm. 625
Nr. of flywheels	Nr. 2
Table dimensions	mm. 1000x1200
Table stroke	mm. 500
Maximum tire diameter	mm. 1200
Working table high	mm. 1080
Blade size	mm. 5060x27x0.9
Blade motor	Kw. 7.5
Blade speed	m/min 120 $\div$ 1200
Hydraulic unit motor power	Kw. 0,75
Power supply	380V 3 phases

## OVERALL DIMENSIONS

High	mm. 2.500
Width	mm. 1.600
Length	mm. 1.500
Weight	Kg. 1.800



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