



**pezzolato**

## High performance equipment for large diameter logs processing

*Professional machines  
to process firewood*

**REDLINE**

**TM - CUTTING UNIT  
TB - SPLITTING UNIT**



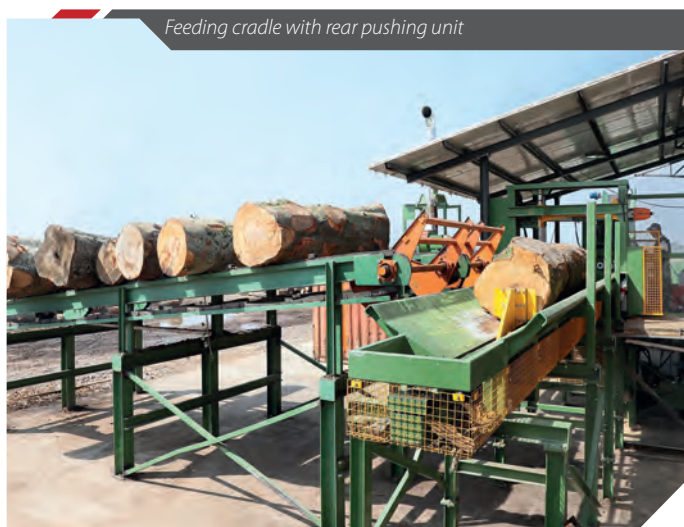


**TM - CUTTING UNIT**

## TM Cutting unit

The wide availability of large diameter logs, not suitable to be processed by the sawmill industry, brought the company Pezzolato to develop a new equipment for high quality firewood by processing logs with diameters even larger than 1 meter. This equipment is divided in: TM - CUTTING UNIT with a conveyor system to cut logs of any type. The machine presents a large thickness (30 mm) feeding cradle which can support logs with a length of 6 meters (longer on demand) and a max. diameter of 120 cm.

The logs, by means of a rear pushing unit, are pushed onto the chain saw unit and blocked there before being cut by a hydraulic guillotine system. The chain saw unit, sliding vertically, is driven by an electric motor with a power up to 22 kW. A step-measurement system allows the electronic setting of the cut logs length. After the cut, a tilting surface, hydraulically moved, skids the cut logs on the feeding chain of the second unit, TB - SPLITTING UNIT.



*Feeding cradle with rear pushing unit*



*Tilting surface for for offloading cut logs*





**TB - SPLITTING UNIT**

**TB  
Splitting unit**

TB - SPLITTING UNIT is equipped with an automatic vertical splitting system, able to process any type of logs, with a diameter range varying from 300 to 1200 mm and a height range varying from 250 to 500 mm. This unit conceived to process large diameter logs has an adjustable pitch feeding and is driven by an electric motor 22 kW; the splitting power can be 40 or 50 tons.

The feeding chain is strong thanks to its closed links and has a length of 1600 mm (longer on demand).

By means of this chain, the cut logs pass through the action of the splitting wedge.

The dimensions of the output wood can be set electronically, from the minimal measure of 70 x 70 mm to a maximum of 150 x 150 mm.

TB 900 machine produces 18/20 bulk cubic meters per hour of cut logs with following size: 90 x 90 mm; 250 mm height.



*Wedge for automatic vertical splitting system*



*Firewood logs with regular size and minimum wastes*



## DETAILS

### GENERAL

#### Control pulpit on raised platform.

From the pulpit the operator can control all operations of the sawing unit and all associated operations such as loading, splitting and offloading, controlling the entire process.



### TM - Cutting unit

#### Wood clamping hydraulic guillotine with the sliding system on chromed bars.

#### Chainsaw unit slides vertically over chrome bars with hydraulic cylinder and proportional control in relation to the log diameter.



### TB - Splitting unit

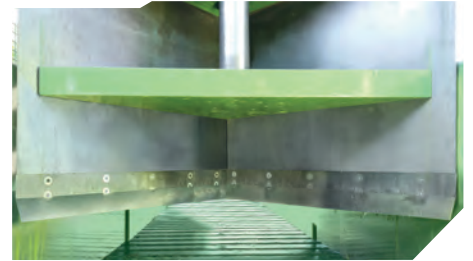
#### Electronic cut log measurement: minimum size 70 x 70 mm; maximum size 150 x 150 mm.



### TB - Splitting unit accessories

#### Special splitting wedge for producing kindling can be swapped with the standard wedge.

#### Special wedge with 4 interchangeable splitting knives made of chipper steel to process exotic wood.



TECHNICAL FEATURES		TB - SPLITTING UNIT
Minimum log diameter	mm	300
Maximum log diameter	mm	900 (TB 900) - 1200 (TB 1200)
Electric engine power	kW	22
Splitting force	Ton	40 (TB 900) - 50 (TB 1200)
Cut logs length	mm	from 250 to 500
Duty-cycles/minute (stroke 500 mm)		8 (TB 900) - 7 (TB 1200)
Cut logs minimum size	mm	70 x 70
Cut logs maximum size	mm	150 x 150
Kindling minimum size	mm	20 x 20
TB 900 average production capacity in 8 hours working shift	bcm	150

TECHNICAL FEATURES		TM - CUTTING UNIT
Maximum log diameter	mm	1200
Chainsaw electric motor power	kW	15 - 18.5 - 22
Ancillary services electric motor power	kW	7.5
Chainsaw bar length	mm	1600

Dealer

