



BOIS FACTORY



## High production machines

*Professional machines  
to process firewood*

**REDLINE**

**BOIS FACTORY  
TLA 150  
TB 900**



BOIS FACTORY

## TLC BOIS FACTORY TLA 150

**BOIS FACTORY** is a highly technological system for the production of firewood. It consists of 3 **TLC** machines with cutting disc diameter of 1500 mm that is able to cut logs up to 52 cm in diameter. Each machine has a 70-ton log splitter and 6 windows (splitter grids) which ensure that no split piece has a surface area greater than 9.5 cm. Each TLC is equipped with a robot that adjusts the movement and the position of the log to be split. Each log is butted and the scrap is automatically evacuated to the chipper. Each machine is

equipped with a comfortable cabin, inside which there is the control console used by the operator to run the entire process. The two stage log loader is capable of transporting logs of 2 to 5 metres in length and is able to hold the equivalent of 2 semi-trailers. The material that is released from the grid falls onto a moving conveyor belt that merges with another longitudinal belt which collects the wood produced by the three machines and leads to a rotary screen. This removes shavings, bark and sawdust.



Robot for measuring and translation of cut logs;  
multi-areas grid with automatic positioning



Feed supply: log stop gate, loading shock absorbers  
and liftable pusher



TLA 150

Then, once again automatically, the mesh containers are filled with the clean material and carried to the drying cells. Once the right degree of moisture has been reached, these containers are emptied out into a vibrating chute that feeds a second screen to further remove impurities from the wood as it is being dried, before moving on to packaging. In 3 shifts of 7 hours, each system produces over 90,000 tons of finished material per year.

The **TLA 150** is suitable for large productions with a single operator. The loading part, which is

equipped with stop gate and shock absorbers in conjunction with a hydraulic log turner, is able to operate in a simple way on any type of log.

A special pendulum system allows loading of logs to be split into the two log splitters which are positioned laterally to the cutting channel, ensuring a cut-split cycle every 4.1 seconds. The thrust force of each log splitter is 70 tons.

After splitting, as on all Pezzolato machines, the material is collected in a specific spot before being sent either directly to loading, to the screen or to the stacking area.



Pendulum translator for cut log positioning in the two log splitters



Control console with on-board computer



## TB 900

The increasing supply of large diameter logs not suitable to produce materials for the sawmill industry has created the need for a machine to operate logs automatically up to over a meter in diameter. As a result we dusted off our long tradition of vertical log cutters. TB 900 is a machine for large diameter logs with a settable feed pitch; it is driven by an electric motor of 22 kW and the

log cutter's thrust force amounts to 40 tons. The machine is able to perform up to a maximum of 10 cycles per minute and the length of the log to be split ranges between 20 to 50 cm. The machine can be fed with stumps cut from other machines or directly integrated in front of the TB 900. After the log cutter a collection belt or a container can be directly connected.



*TB 900 with mobile butt reducer for pre-cutting of logs with a diameter exceeding 90 cm*



*Uniformly sized processed wood with minimum presence of small pieces*

### SCREEN FOR CUT AND SPLIT WOOD

Pezzolato systems can be supplied with a rotary screen for cleaning cut and split wooden logs. The screen consists mainly of a large loading hopper and a conical screening cylinder. The material to be screened is poured into the hopper. A rubber belt located under the hopper and with hydraulic drive adjusts the material feed, thus feeding the screening cylinder with longitudinal bars. The cylinder, which is conical and is 3 metres long with an input diameter of 1 metre and an output diameter of 1.80 metres, ensures the material moves towards the exit with a perfect screening, even without an auger, with only its rotational movement. The whole machine operates via hydraulic motors with adjustable speed. Furthermore, for both the under-screening and the over-screening conveyor belts for transporting the material can be integrated wherever needed.



### BAND CONVEYOR FOR CUT WOOD

Conveyor with gumming band, 500 mm wide, 5 up to 15 m long. Totally hydraulic functioning. In its standard version it is provided with: edges, drawbar, two fixed wheels and two wheels for manual moving. Tailor made configurations available on request, with two manually swiveling wheels, thrust bearing to fix the conveyor on the ground and rotate it 45° right or left hand (hydraulic motorized wheels available in this case).



### AUTOMATIC PALLET PACKER

Machine conceived to pack firewood for Europallet transportation. It matches with whatever wood conveyor.

It is provided with an hydraulic system to move the pallet:

- ▼ Shaking the pallet, it compacts the wood pieces inside the sack and makes the pack steady
- ▼ Helps extracting the pallet once the pack is ready for transportation
- ▼ Machine's indicative measures: 150 x 225 cm
- ▼ Pack dimension: 1.6 m<sup>3</sup>



TECHNICAL FEATURES		TLC 1500 BOIS FACTORY	TLA 150
Disc (with hard metal tipped teeth) diameter	mm	1500	1500
Max log diameter	mm	520	600
Splitting force	Ton	70	70 x 2
Electric motor power	Kw	55-75	55-75
Hydraulic splitting grid/wedge	Folds	Upon request	Upon request
Weight*	kg	9500	12000
Cutting length	cm	20 – 65	20-65

\*May vary according to the final machine's configuration

TECHNICAL FEATURES		TB 900
Electric motor power	Kw	22
Work cycles per minute	n°	10
Splitting force	Ton	40
Max. diameter of log to be split	mm	900
Continually adjusting to the log diameter		



## PEZZOLATO, A 360° COMPANY

### REALISATION

A continuous R & D program supports Pezzolato's development and manufacturing. Wholly performed in house, own specialised personnel follow every single step up to the delivery of all machines.

### COMPONENTS

All hydraulic, electric and electronic components mounted on Pezzolato chippers are supplied exclusively by prime-quality European manufacturers.

### ASSISTANCE

Technical assistance is provided quickly and performed by own personnel. Specialised Pezzolato technicians are always available to intervene directly or to support local authorised dealers and service facilities.

### SPARE PARTS

Thanks to its large stock, Pezzolato is able to send and deliver any spare parts at customers' premises all over the world, within 24/48 hours.

Dealer

