PTH SERIES

Stationary chipping plants

ENG

pezzolato

DRUM CHIPPERS

Whatever wood, the best chips

GREENLINE

Stationary chipping plant

1

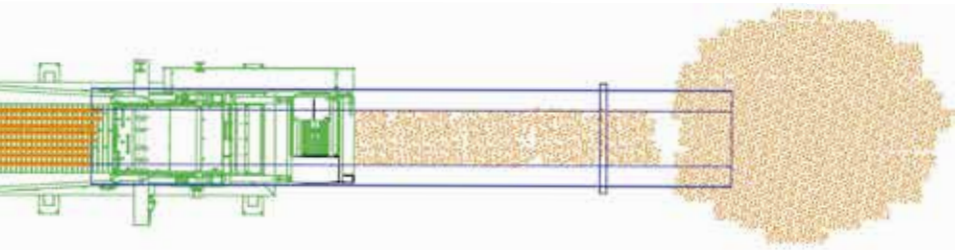
2

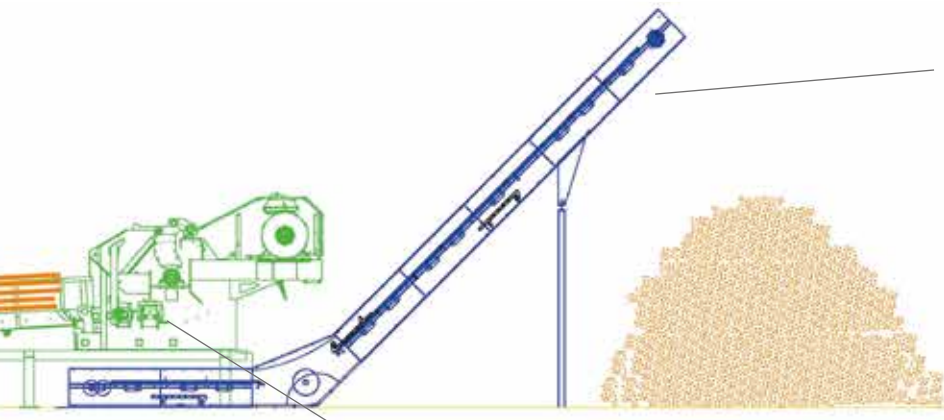
3

4

5

1 - 7 meters long vibrating channel suitable for trimmings and skids
2 - Feed system (vibrating table + vibrating channel)
for shredding sawmill waste, skids and small diameter logs
3 - Vibrating loading table (dimensions : 4 x 5 m)
4 - Metal detectors
5 - 5 m long chain for crane feeding
6 - Heavy Duty drum with high inertia
7 - Counter drop knife
8 - Pallet conveyor for unloading at a height of 4.2 m





8

6

7

Stationary plant with chipper PTH 1000/1000

"Universal" chipping plant capable of processing both sawmill waste and small pieces thanks to the feeding system with table and vibrating conveyor, and large logs thanks to the long chipper feeding chain which also allows feeding with a crane.

Stationary chipping plants

Experience in the design and manufacture of drum chippers of various sizes and expertise gained in the sawmill sector allows Pezzolato to provide complete stationary chipping plants suitable for: biomass power plants, sawmills, pellet-briquettes plants and wood chipping yards.

They are divided into automatic feeding systems and operator-fed systems.

The automatic feeding systems are normally used in sawmills for chipping waste.
Feeding occurs via vibrating tables, vibrating conveyors and rubber belts.

Chain feeding system for crane feeding

Chipping plant processing logs and fed by crane

Stationary plant with chipper PTH 1000/820

Chipping plant designed for processing large bundles of trimmings and logs with a maximum diameter of 30 cm that are stacked on the large 4-chain loader (13.6 meters long and 4 meters wide) and then fed into the chipper evenly and compactly (without the risk of jamming) thanks to the 8-meter long vibrating conveyor.

Vibrating tables are used to move mixed material on vibrating conveyors or belts by measuring the feed.

Vibrating conveyors allow for automatic feeding and compact the material before reaching the drum, thus preventing the material clogging.

The rubber belts allow for automatic feeding, even for logs.

The vibrating conveyors and rubber belts can be combined with a metal detector to detect bits of iron before the material reaches the drum, thus reducing the risk of accidents or breakages.

Loading decks with 4 chains for logs and slabs

Roller feeding system for automatic feeding

Palette discharge conveyor with directional system

Stationary plant with chipper PTH 1000/1000

Plant designed to produce large quantities of chips from mixed material such as trimmings, slabs, carpentry and sawmill waste.

Contaminated material can also be processed thanks to the vibrating conveyor with a sieving area for separating impurities before reaching the cutting parts.

Various loading decks are available based on the type of wood being processed, according to the type of plant fed by an operator. They can have multiple chains and sides for holding short logs loaded in bulk; with 3 or 4 chains for long logs and bundles of trimmings/slabs. With this system large quantities of material can be stacked thus optimizing the operating cycle.

The wood chips is expelled with palette discharge conveyors or rubber unloading belts.

The palette discharge conveyors can expel the wood chips at any height and distance, for loading a trailer or creating piles of wood chips in a required place, thus keeping maintenance to a minimum.

Rubber belt for automatic feeding

Vibrating conveyor with sieve area for impurities

Stationary chipping plant with PTH 1000/820 wood chipper located in Eastern Europe.

Stationary chipping plant with 5-meter long feeding chain, ideal for feeding with forestry grapple.

Palette discharge conveyor and flat belt for separation of regular material intended for pellets and irregular material intended for boilers.

When feeding requires an operator to be present, the chipper has an entry hopper with a feeding chain similar to a forestry machine. Such machines can be fed with a grapple crane.

If the material is introduced with vibrating conveyors or rubber belts, loading takes place from a vibrating table or a loading deck.

These types of plants are suitable for chipping logs of varying diameter, slabs and branches that depending on their dimensions or the way in which they are stacked, cannot be introduced with automated devices. An operator on board, or on the vehicle used for feeding the material ensures best results.

Forestry hopper

Palette conveyor for discharging wood chips at height of 4.2 m

PTH 500 wood chipper stationary option for manual feeding or feeding with a mechanical grapple.

For valorising sawmill waste or producing wood chips required by small plants for pellet production.

The Pezzolato range includes 11 models of stationary chippers of different performance and size, offering our customers solutions that best suit a variety of needs.

The requirements of small pellet and biomass producers that require contained investments are met by the smaller models within the range; machines where feeding can also be done manually when required.

Production of quality chips is guaranteed by Pezzolato's cutting system and by machine's configuration with an unloading conveyor that keeps dust levels to a minimum.

PTH 500 model for automatic feeding

Feeding rollers and 3-knife drum

PTH 250 model for automatic feeding

Types of drum

Pezzolato cutting systems guarantee the production of quality wood chips from any type of material and allow you to obtain the desired size according to your needs.

1

Staggered drum with 4 knives, a single cut each lap

2

Staggered drum with 8 knives, 2 cuts each lap

3

Staggered drum with 12 knives, 3 cuts each lap

4

Drum with 2 or 4 knives as long as the drum itself, 2 or 4 cuts each lap

WOOD CHIPS QUALITY

40 mm cut, ideal for feeding of large biomass power plants

25 mm cut, ideal for feeding of biomass boilers

13 mm cut, ideal for feeding of pellet production plants

5 mm cut, ideal for feeding of smoking plants

Pezzolato cutting technology

The cutting system used by Pezzolato consists of a closed stagger sections drum equipped with knives, a counterblade and a sieving grid with interchangeable calibration.

This system assures the production of quality chips since the closed drum keeps the chips cutting length fixed and constant. The wood undergoing the knife action is transformed into calibrated chips, which can pass through the calibration grid immediately after the cut.

Whatever is the need of the customer, either micro-chips for pellet production or extra large chips for the improvement of the big heaters/boilers performance, Pezzolato knows and offers the best cutting technology, thanks to the deep knowledge in Mechanics and the constant R&D of specific solutions.

PEZZOLATO CUTTING TECHNOLOGY

Cut group for the maximum exploitation of the wear components composed by:
- Under knife fixed to the drum by means of screws;
- Knife with eyelets (easy extraction and adjustment of the rear screws);
- Press knife with multiple stud bolts for a facilitated screwing.

Solution not available for PTH 250 and PTH 500 models.

Technical features

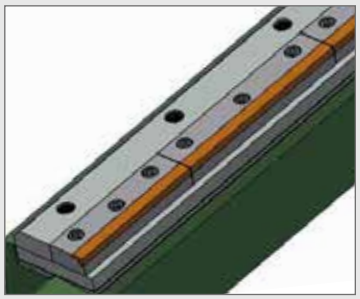
Stationary wood chippers for feeding without operator

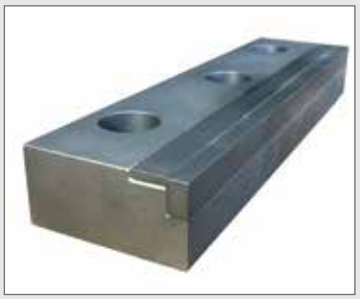
MODELS		PTH 250/500	PTH 500/660	PTH 700/660	PTH 800/820	PTH 1000/1000
Electric motor power	kW	45	55	90	132	200
Maximum chipping diameter*	mm	100	250	250	350	450
Maximum inlet passage	kW	370 x 250	500 x 400	640 x 400	750 x 500	1000 x 600
Blades	n°	3	3	3	3	4
Drum diameter	mm	500	660	660	820	1000
Drum width	mm	370	500	640	750	1000
Lower rollers	n°	1	2	2	2	2
Hourly throughput*	m^3/h	15 - 25	25 - 35	40 - 50	80 - 100	180 - 200

* Diameters and declared production are variable according to the available power, wood type and chip size.

Counter-blade Pezzolato

The counter-blade is composed by independent elements. This feature allows, in case of wear or damage, the partial change of the sole worn-out or damaged parts avoiding to restore the complete block and thus saving on the maintenance costs. It is available in two wear proof versions: CHIPPER (steel for tools) or with a standard steel base and a reinforced part (hard metal with tungsten carbides).



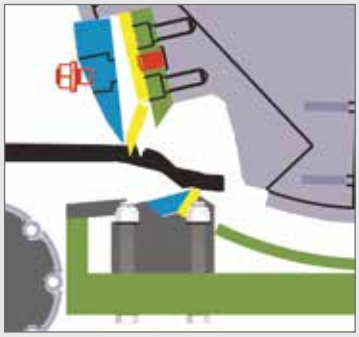


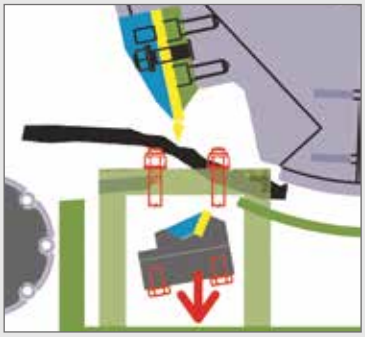
Solution not available fo
PTH 250 and PTH 500 models.

Security against the introduction of foreign bodies

COLLAPSIBLE COUNTER-BLADE
It's mounted on a running slide and secured with adjusted shear bolts. Whenever a hard body is accidentally entered into the chipper, the bolts are sheared and the counter-blade falls down, so that the foreign body exits before causing damages.

Solution not available for
PTH 250 and PTH 500 models.





Technical features

Stationary wood chippers for feeding with forestry grapple

MODELS		PTH 250	PTH 500	PTH 700	PTH 900	PTH 1000/820	PTH 1000/1000
Electric motor power	kW	45	55	90	110	132	200
Maximum chipping diameter	mm	100	400	350	350	450	550
Maximum inlet passage	mm	370 x 250	500 x 400	640 x 350	950 x 350	1000 x 450	1000 x 550
Blades	n°	3	3	3	4	4	4
Drum diameter	mm	500	660	660	660	820	1000
Drum width	mm	370	480	640	950	1000	1000
Hourly throughput*	m^3/h	15-25	20 - 30	40 - 60	60 - 80	100 - 120	180 - 200

* Diameters and declared production are variable according to the available power, wood type and chip size.

WHATEVER WOOD, THE BEST CHIPS

www.pezzolato.com

DEALER

PTH STAZIONARI | 05-2023 | ENG

Pezzolato Officine Costruzioni Meccaniche S.p.a.
Via Provinciale Revello 89, 12030 Envie (CN) - ITALIA
Tel. (+39) 0175 278077 - Mail: info@pezzolato.it