



HAMMER SHREDDERS, DRUM  
SCREENERS, WIND ROW TURNERS



## HAMMER SHREDDERS

### S 7000

It is the smallest model of Pezzolato's Compost Line.

Ideal for gardeners and contractors carrying out maintenance work in parks and gardens, for operating in small composting plants or municipal ecological areas.

The configuration of the hopper with "open" sides guarantees maximum visibility for the operator and facilitates the loading of the material to be shredded either manually or by mechanical equipment. For special requirements, it is possible to equip the hopper with high shores.



Loading hopper



Rotor detail



Roll-off system



Crawler system

The machine is equipped with a rotor with 64 articulated hammers arranged in four rows and a counter-hammer system which regulate the size of the shredded material.

The material to be shredded is fed into the large hopper with a closed chain conveyor belt, harpoons on the bottom and hydraulic dosing roller (which crushes and regulates the passage of the product towards the action of the hammers).

The independent hydraulic system, by means of the pump and the motors, drives the feed chain in the hopper, the dosing roller and the evacuation belt.

The latter, consisting of a rubber discharge belt, carries the shredded material to a height of over two metres.



## S 9000

It is the medium-sized model of Pezzolato's Compost Line, ideal for the disposal of organic waste destined for compost preparation.

A closed chain conveyor belt at the bottom of the hopper, assisted by a toothed roller, conveys and crushes the material towards the shredding chamber.

The dense series of hammers mounted on the rotor guarantees a fine and uniform shredding, reducing compost preparation time.

The large hopper and high production capacity make this machine ideal for operation in municipal ecological areas, for contractors, for professional composters and for those who need to reprocess material that has already been shredded.



Hopper with dispensing roller



S 9000 rotor with moving hammers and counter-hammer



## S 10000

It is the top model in the Pezzolato range, as far as regarding movable hammer shredders. Equipped with a large-diameter rotor and moving 'heavy' hammers, it guarantees high productivity with any type of wood shredder. The unique shredding apparatus consists of a rotor that, acting from top to bottom, brings the material against a fixed stop, ensuring a fine and uniform shredding.

A system of small knives mounted at the end of the rotor allows the most consistent timber to be tackled, facilitating the action of the hammers.

The rotor, composed of many discs placed side by side, reduces the risks of breakage in the event of accidental introduction of material that cannot be shredded. Instead of the toothed dosing roller, the machine can be equipped with a floating inclined belt to facilitate the conveying of bulky material.

Depending on usage requirements, it is possible to fit different types of hammers (standard or with widia coating).

These features make the S 10000 the ideal shredder for those who need a small but professional machine with high performance and great reliability.



Hopper with inclined feed belt (optional)



S 10000 rotor with movable hammers and counterblade



## MF 10000

It is the most powerful model in the range, suitable for processing any type of biomass and wood waste.

Unlike the "S" series models, it is equipped with fixed hammers that cover the entire width of the drum.

This particular configuration enables the shredding of very hard material (gnarled roots, logs, trunks, etc.) or fibrous (e.g. palm leaves and trunks) and it allows to obtain a refined and calibrated product, suitable for composting or for feeding biomass power plants.

Instead of the toothed dosing roller, the machine can be equipped with a floating inclined belt to facilitate the conveying of bulky material.



Hopper with inclined feed belt (optional)



MF 10000 rotor with fixed hammers



80km/h Trailer



Magnet belt

## ACCESSORIES AND EQUIPMENTS

All of Pezzolato's Compost Line bio-shredders can be driven by the tractor's power take-off, diesel or electric motor.

An electronic device on all models regulates the feeding of the material to be shredded according to the available power.

All main functions are controlled by a radio remote control (with the exception of the S 7000).

A rubber discharge belt or a deflector for discharge to the ground, complete the basic equipment.



## ACCESSORIES AND EQUIPMENTS

- ✓ Radio remote control

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- ✓ Machine mounting on skid for roll-off system

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- ✓ Belt or magnetic roller iron remover

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- ✓ Fixed or foldable rubber discharge conveyor with different lengths

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- ✓ Self-lifting system from the ground with 4 hydraulic feet for static machine

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- ✓ Radio-controlled automatic displacement

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- ✓ Stationary electric machine

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- ✓ Towing carriage at low or high speed

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- ✓ Loader with gripper

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- ✓ Outfeed counter-blades to standardise the size of shredded material (manual or hydraulic adjustment)

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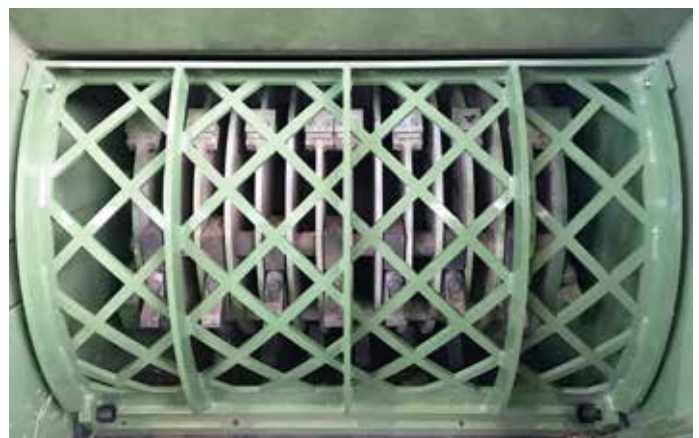
- ✓ Hopper with sides (for S7000)

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- ✓ Reversible fan for radiator clearing

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- ✓ Output grid

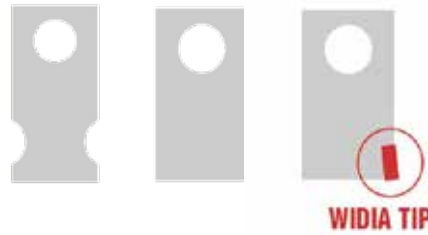




# Technical Characteristics

## FOR S 7000 MODEL

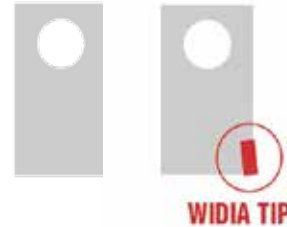
Standard equipment with 64 12 mm hammers or with 96 6 mm hammers with or without WIDIA coating



THICKNESS	WEIGHT
6 mm	0.25 Kg
12 mm	0.5 Kg

## FOR S 9000 MODEL

Equipment with 96 hammers with or without WIDIA coating



THICKNESS	WEIGHT
12 mm	1 Kg

## FOR S 10000 MODEL

Equipment with 28 hammers with WIDIA coating



THICKNESS	WEIGHT
25 mm	3.3 Kg
45 mm	7 Kg

## FOR MF 10000 MODEL

Equipment with 14 hammers with STELLITE tip



THICKNESS	WEIGHT
65 mm	11 Kg

### ► S 7000 - S 9000 - S 10000 - MF 10000 Series

MODELS		S 7000	S 9000	S 10000	MF 10000
Minimum tractor power	Hp	50	90	110	150
Diesel engine power	Hp	67	205-238	200-413	400-413
Electric motor power	kW	37	90	110-200	160-200
Hopper dimensions	mm	3100x1550	3500x1800	3500x1800	3500x1800
Dosing roller width	mm	630	900	1000	1000
Dosing roller maximum opening	mm	200	350	400	400
Shredder chamber diameter	mm	530	780	960	960
Feed chain width	mm	630	1000	1000	1000
Feed chain length	mm	2150	3000	3000	3000
Peripheral hammer speed	m/s	65	62	62	62
Hammer anchorage		mobile	mobile	mobile	fixed
Hourly output*	m³/h	20	30-40	60-100	80-120
PTO machine footprint	mm	5700x1920x2840	7900x2300x3000	7900x2300x3000	7900x2300x3000
Approximate PTO machine weight	Kg	2500	6000	8800	10500

\* Declared output varies depending on available power, type of wood and size of shredded wood



## DRUM SCREENERS

### L 2000

The key feature that distinguishes the most compact rotary screen of Pezzolato's range is the height of the under screen discharge belt, which reaches two metres, making it possible to convey the material inside a small trailer or to form a large pile on the ground.

The height of the over screen unloading hopper reaches one metre in height, also allowing the accumulation of material in small bins or the unloading on the ground so that the operator can easily move it with shovels or other mechanical equipment. The screening system is reduced to the essential, guaranteeing productivity and ease of use.

The drive is located at the front of the machine, along with all the hydraulic components related to the transmission functions.



Material discharge belt under screen



Material discharge side above the screen



## L 3000 MINI

The 'Mini' version of Pezzolato L 3000 screen features an excellent price/performance ratio.

An essential screen, intended for industrial use, capable of meeting a wide range of requirements.

The screenings are conveyed to the ground, at the end of the path in the cylinder, by the screw conveyor inside.

Two belts transport the fine material, accumulating it to the side of the machine.

The machine is ideal for those who need to produce small quantities of compost (greenkeepers, nurseries, greenhouses), as well as for those who need to rectify wood chips by separating the fine part or the oversized flakes.

Additional accessories include a brush for cleaning the wood chips and a back belt for unloading the wood chips 1.5 metres above the ground.



Wood chip sieving



Roll-off system



## L 3000

The L 3000 rotary screen is the largest machine of Pezzolato's Compost Line, it is mounted on an electro-welded frame, particularly robust. The drive is located in the front of the machine, together with all the hydraulic transmission components.

In the central part are located four wheels that support the screening cylinder. The drive of the screen is transmitted by a chain, welded around the cylinder, and by a gearbox with hydraulic motors. The cylinder, made of sheet metal 5 mm thick and with holes on request, can be easily replaced by a single operator.

The large hopper is equipped with a belt feeder with shutters or, for special requirements, with a rubber belt. An adjustable brush is mounted longitudinally to the cylinder to keep the screening surface clean.

In the standard version, both the material "under screen" and 'over screen' are collected by two evacuation belts that take it to a height of 2.6 m from the ground.



Setup on 80 km/h trailer



Drum screener at work



## STATIONARY SCREENERS

On request, Pezzolato rotary screeners can be set up in a stationary version, mounted on feet or on a concrete base. The screening system is reduced to the essential, guaranteeing productivity and ease of use. The material is conveyed to the ground, at the end of the path in the into the cylinder, thanks to the screw inside the cylinder, while the screened material descends directly underneath the cylinder, simply-

ing loading operations with shovels or other mechanical means used by the operator.

The stationary solution is also particularly useful for screening wood chips as it is possible to separate standard wood chips from too fine particles and oversized flakes in a single passage.

		L 2000	L 3000 MINI	L 3000
Minimum tractor power requirement	Hp	20	20	40
Diesel engine power	Hp	10	10	51
Electric motor power (stationary version)	kW	7.5	7.5	15
Screening cylinder diameter	mm	1100	1250	1800
Effective length of screening cylinder	mm	1650	2600	3000
Height from ground loading hopper	mm	2650	2200	2200
Maximum height of discharge belt above screen	mm	1000	600	2600
Maximum height of discharge belt under screen	mm	2000	600	2600
Hopper dimensions	mm	2000 x 1150 x 600	2300 x 1200 x 600	3000 x 1400 x 600
Screw pitch	mm	550	700	700
Hourly output	m <sup>3</sup> /h	15 - 25	15 - 30	20 - 40
Approximate machine weight	Kg	1600	2100	5500



## WIND ROW TURNERS

### PRT 2500

This model of wind row turner is ideal for small composting plants. The machine is driven by tractor's PTO at 540 rpm and it can process heaps up to 2500 mm wide and 1400 mm high.

The machine can be hydraulically towed and tilted for transport and it is equipped with: drawbar with hydraulic height adjustment, special cardan shaft, lighting system, lateral stabilising wheel and counterweight.

The overall dimensions of the machine in transport position are 1970x4100x3600 mm. The total weight is approximately 1600 kg.

This model is available also in a version with a working width of 3000 mm.



PRT 2500 in transport position



Two-inch ramp for liquids distribution



"V" rollers for spreading a protective swath sheet

## PRS 2500

The compact dimensions make this Pezzolato turner model ideal for medium/small composting plants.

The machine is self-propelled, mounted on rubber tracks with fully hydraulic drive: a set-up that allows easy handling even on irregular terrain, guaranteeing maximum stability and practicality of use even in tight spaces.

The model is powered by a 49 or 75 hp diesel engine.

The operating width is 2500 mm while the height is 1400 mm. It is equipped with a device that regulates the rotor speed.

The advance and lifting of the rotor are controlled by two hydraulic pumps.

Standard equipment includes two fixed tailboards that clean the lanes in front of the tracks. The weight of the machine is 2300 kg. The overall dimensions are 3600x2240x2400 mm. A 3000 mm working width version is also available.

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