



DISC CHIPPER - H SERIES

Constant and homogeneous calibration
of the chipped material



Experience counts

The so-called “chipping” is the reduction process ligneous material of various types and shape (logs, branches, sawmill waste, wooden scrap, etc.), into small elements, by means of a mechanical cutting action.

PEZZOLATO S.p.A. has thirty years of experience in the construction of machines for the primary conversion of wood.

PEZZOLATO's know-how has become consolidated through time, by means of the collaboration of a network of specialised distributors worldwide that has allowed the technicians to increasingly understand the requirements of industrial users, also in the chipping field.

In the two establishments (an area of 70,000 m² of which 28,000 m² are covered, with more than 150 employees), the Company manages three production lines, among which the “**GREENLINE**” that plans and designs the wide range of CE marked machines, PTH series drum chippers in compliance with the machinery directory. H series disc chippers, PZ series grinders for volume reduction as well as the shredders for the disposal of waste solids, turning machines and Sieves for the preparation of the compost can be added to these.



Chipping machine for chips heating system H 980/300 with extended output conveyor, equipped by hydraulic movements for deflector lifting, rotation and orientation

Other optionals available:

- Crane loader with grab
- Feeding hopper for crane loading
- Slow or high speed towing trailer
- Lighting beam
- Spare wheel
- Noise reduction painting and noise reduction plastic bulkhead
- Machine fitted on tracks
- Static machine with electric motor



Here are the main features of **Pezzolato "GREENLINE"**, from which the solutions originated, of which some examples of significant applications are given successively.

DISC CHIPPERS – H SERIES

These chippers are specific for logging industries, as well as for tree-fellers and companies that maintain parks and gardens; however, they are also interesting for private use.

The chippers are mainly used for the reduction of the volumes of felled trees, including branches and logs with a small diameter, from which chipped material can be

obtained. This can then be used for burning in screw feed centralised heating plants; for the first phase of pellet production or for the simple reduction of volume.

Strong, reliable and easy to use, the H series machines represent the least onerous economical solution for anyone wanting to obtain uniform and constant chipped material.

The range

Three standard models:

MODEL	Flywheel diameter mm	Timber diameter mm
H 780/200	780	200
H 880/250	880	250
H 980/300	980	300

The exclusive **H 780/200 "L version"** model that produces "mini-chips" also from small branches must be added to these machines.



Chipping machine H 880/250 at work with little logs and slashes.



Chipping machine H 880/250 can chip logs up to 25 cm of diameter.



Chipping machine H 880/250 with hitch to the tractor third point and drawbar (detachable) for low speed tow.

Functioning

The machine is fed through the wide loading hopper, at the base of which two vertical rollers, with independent speed-adjustable hydraulic motors, advance the material to be chipped, pushing against the chipping system knives.

The standard chipping system

The material chipped by the action of knives, successively passes through micro-knives and additional knives, positioned in the discharge chute.

This sequence guarantees good calibration of the final product (cf. photo 1 and 2).

The chute can be moved by 270° and can be supplied with hydraulic controls.



Detail of the material feeding mouth; the feeding rollers are visible on the base and, in the background, the disc with a chipping knife. Roller speed can be adjusted by the operator, in relation to the type of material to be chipped.



The "no stress" device

All Pezzolato chipping devices can be supplied with the "no stress" device that assures long duration of the machine, as it stops the feeding system of the material to be chipped for a few moments, if there is excessive power absorption by the motor. The "no stress" automatically re-starts the feeding system, as soon as power absorption returns to normal (cf. photo 3).



The electronic "no stress" device adjusts feeding of the material to be chipped, in relation to the power available, eliminating wearing forces.

Chipping/refining systems

In this system, the path of the material to be chipped passes through the action of three knives mounted on a double disc and successively, through a grid with square holes. This path assures calibration of the chipped material adapt for small section screw feeders that feed the burner of heating boilers. (cf. photo 4 and 5).



The chipping machine ideal for private use

The H 780/200 "L version" chipping machine produces calibrated mini-chips, even from branches with small diameters, which can be used in the screw feeding devices of domestic boilers.

The necessity to chip undergrowth and small branch wood,

in order to reduce its volume and use the chipped material to feed heating systems is, at this point, an opportunity for many private users.

The machine can be driven by power take-off from a tractor or with a diesel or electric engine.



The H 780/200 "L version" chipping machine driven by power take-off from the tractor.



The H 980/300 M version chipping machine (equipped with an autonomous 150 HP engine), in transport position.

TECHNICAL FEATURES	MU	DISC CHIPPERS			
		H 780/200	H 880/250	H 980/300	H 780/200L
Minimum tractor power	HP/kW	60/44	80/59	90/66	60/44
Diesel engine power	HP/kW	60/44	80/59	150/110	60/44
Ø max chippable	mm	200	250	300	200
Loading hopper dimensions	mm	1360 × 940	1460 × 1100	1620 × 1100	1360 × 940
Ø disc	mm	780	880	980	780
Disc thickness	mm	35	45	47	double
Knives	n°	3	2/4	2/4	3
Hourly production	m ³	10/15	15/20	25/30	8/10
Weight (PTO version)	kg	920	1440	2040	950

Why choose Pezzolato machines

Strong mechanical vocation that qualifies the design and the construction of all machines; certified quality system; attention to customer requirements; large investments in R&D: here are some of the reasons that have led Pezzolato S.p.A. to distinguish itself in the competition on the world's markets.

Three production lines:

- **GREENLINE:** disc and drum chippers, as well as shredding machines, grinding machines, turning machines and sieves for production of the compost;
- **REDLINE:** machine and plants for the preparation of firewood;
- **PLANKLINE:** integrated sawmill systems.



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