

PALLMANN

Disc Chipper PHS



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Precise and sturdy

Application

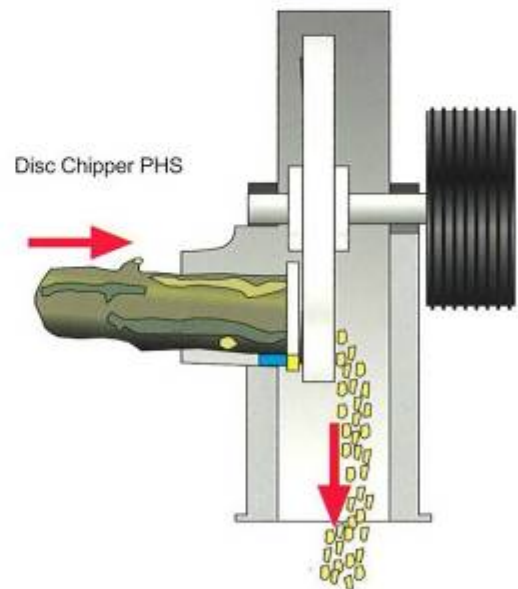
Economic production of quality chips from logs, billets and thinning waste.

Principle of operation

The material to be processed is fed horizontally to the heavy chipping disc equipped with knives. The electro-dynamically balanced chipping disc runs in amply dimensioned self-aligning roller bearings. The tightly fastened chipping knives effect a precisely set scissor cut, when passing the counter-knife, which is adjusted from the outside. This ensures a perfect, clean cut and a homogeneous chip quality. The chips are discharged either to above or to below. Further transport can be done either via chain conveyor, belt, elevator or screw.

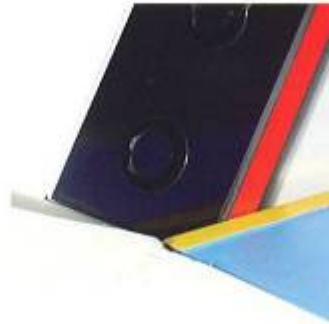
Design details

- Machine housing in heavy steel fabrication, stress relieved
- Slanted horizontal feeding
- Chip discharge to below or to the top available
- Disc made of high-tensile alloy steel – precisely machined
- Disc stress-relieved and electro-dynamically balanced
- Disc brake (optionally available) pneumatically actuated reducing down time by shutting down the machine in a few seconds



Customer benefits

- Smooth back and contoured disc maximizes chip quality and minimizes chip damage.
- 2 stator knives of perfect geometry for optimum chip quality.
- Large spout for continuous feed.
- All parts in contact with infeed material are designed as exchangeable wear parts to achieve constant and uniform chip quality
 - knife clamping plate
 - knife support
 - disc wear plate.
- Chip length adjustable.
- Low specific power consumption.
- Knife change from the front.
 - Swift access to the knives by lid in front of the machine housing.
 - Changing of stator knives through the lid in the spout.
- Setting of the knives outside of the machine.
- Reduced knife-to-anvil clearance for maximum chipping efficiency.
- Precision bearing system assuring close tolerance for minimal shaft deflection and disc movement.



Chipping knife and counter-knife



Stator-knife



Roller bearing



Disc brake (option)



Lid for chipper knife change



Lid for stator knife change

Technical data

Type	Infeed opening opening mm	Disc diameter mm	Rotor knives pcs.	Motor kW	Throughput capacity o. d. t/h	Machine weight approx. kg
PHS 15 H4	515 x 370	1.500	4	200 - 250	20 - 30	5.000
PHS 20 H6	670 x 500	2.000	6	315 - 500	40 - 50	8.000
PHS 24 H8	800 x 650	2.400	8	450 - 630	60 - 70	12.500



The Pallmann Group

The Pallmann Group is the leading manufacturer for size reduction machinery in the wood products industry. The Pallmann Maschinenfabrik designs, manufactures and supplies tailor-made individual or complete solutions for the processing of raw material for MDF, OSB, particle board, waste wood and annual plants. At the headquarters in Zweibrücken, the Pallmann company runs the world's largest research and development plant as well as a training and service centre. More than 100 test machines are available for the preparation of various raw materials with subsequent laboratory analysis on industrial scale. In addition to the manufacturing plants in North and South America, the Pallmann group has a worldwide sales and service network.



The Pallmann Program

Engineering and Service:

Design and manufacturing
Research & development
Tests at industrial scale
Laboratory analysis
Worldwide service
Spare parts
Control systems
Process monitoring
Set-up & commissioning
Refurbishment

System solutions for:

Flake production
Fibre production
Strand production
Recycling
Annual plants preparation

Components:

Debarker
Knife shaft flaker
Long log flaker
Disc chipper
Drum chipper
Knife mill
Knife ring flaker
Double stream mill
Hammer mill
Wing beater mill
Screen ring mill
Turbo mill
Fiberizer
Drum shredder
Bale breaker
Depithier
Refiner
Chip washing

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