

PALLMANN

Impact Hammer Mill PHPH „GRIZZLY“



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Areas of Application

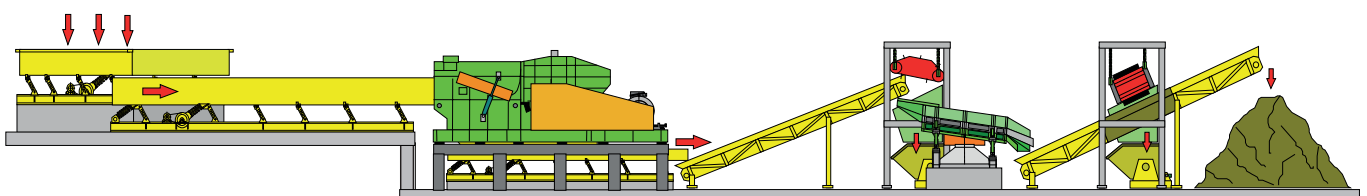
The heavy-duty PALLMANN Impact Hammer Mill, type PHPH „GRIZZLY“ is used for the economical size reduction of bulky as well as long and massive waste- and recycling wood for material- and thermal recovery. It is designed for high throughput rates and is used in recycling- and wood material companies and thereby makes a valuable contribution towards the conservation of resources and environmental protection.

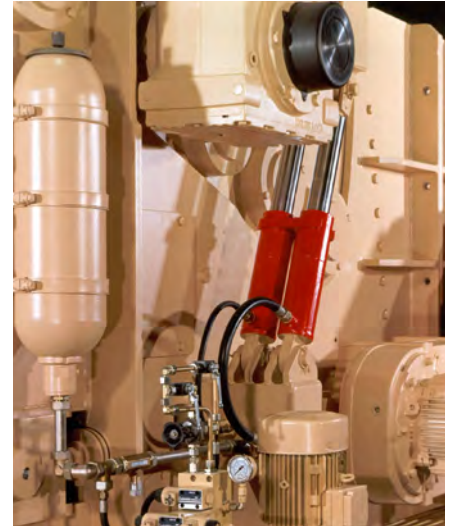
Method of Operation

The material is fed horizontally from the front of the machine by means of a vibratory feeder or a plate conveyor. The material which is fed into the rotor is hit by hammers in an upward action and is pre-broken on the baffle areas of the housing. The wood pieces are split along the grain and any metal contaminations enclosed in the wood are set free. A collecting device is installed at the rear of the housing and can be opened hydraulically for emptying large contaminants. Material pieces fall back onto the rotating rotor and are further processed by means of stationary breaker and comb bars which are positioned behind the rotor. The end size of the material is determined by the screen in the bottom of the housing. The splinter material produced with the hammer mill is used, for example, in thermal and material recovery such as briquetting or, after another size reduction step as flake material for the particle-board industry.



System example





Design

The split housing design of the very robust and wear-resistant hammer mill can be opened hydraulically. Essential machine parts in the size reduction area are made of wear-resistant durable material. The free swinging hammers can avoid any coarse material which enters the grinding chamber.

A hydraulic device for the simple and safe exchange of the hammers and the hammer bars is part of the scope of supply.

Decisive Advantages

- Convincing throughput rate
- Utilization of cheap recycling wood
- Horizontal feeding
- Low operating costs
- Resistant against contaminants and impurities; contaminations are loosened from the wood and can be effectively separated
- High availability at minimum maintenance
- Insensitive against feed fluctuations

Technical Data

PHPH „GRIZZLY“		12 - 13	12 - 18	16 - 18
Throughput rate	t/h atro	10 - 15	20 - 40	50 - 70
Inlet height at rotor	mm	600	600	950
Inlet width	mm	1.300	1.800	1.800
Rotor diameter	mm	1.200	1.200	1.600
Motor	kW	160 - 250	315 - 400	400 - 500



The Pallmann Group

The Pallmann Group is the leading manufacturer of size reduction machinery for the wood products industry. Pallmann Maschinenfabrik designs, manufactures and supplies tailor-made, individual or complete solutions for the processing of raw material for MDF, OSB and particleboard plants. At its headquarters in Zweibrücken, Pallmann company operates the world's largest research and development center for size reduction technology as well as a training and service center. More than 130 test machines are available for the preparation of various raw materials including subsequent laboratory analysis on individual scale. In addition to the manufacturing plants in Europe, North- and South America, the Pallmann group has a worldwide sales and service network.



The PALLMANN Program

Engineering und Service: Single machines:

Design and Manufacturing	Debarkers
Research and development	Universal flakers
Tests at industrial scale	Long log flakers
Laboratory analysis	Disc chippers
Worldwide service	Drum chippers
Spare parts	Knife ring flakers
Control systems	Double stream mills
Process monitoring	Hammer mills
Installation and start-up	Drum shredders
Maintenance and repair	Bale breakers
Project Management	Depithers

System solutions for:

Flake production	Sifting-/classifying systems
Fiber production	Chip washing systems
OSB-production	Re-chippers
Recycling	Pre-crushers
Annual plants preparation	Impact hammer mills
Thermal usage	Screen ring mills
	Wing beater mills

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