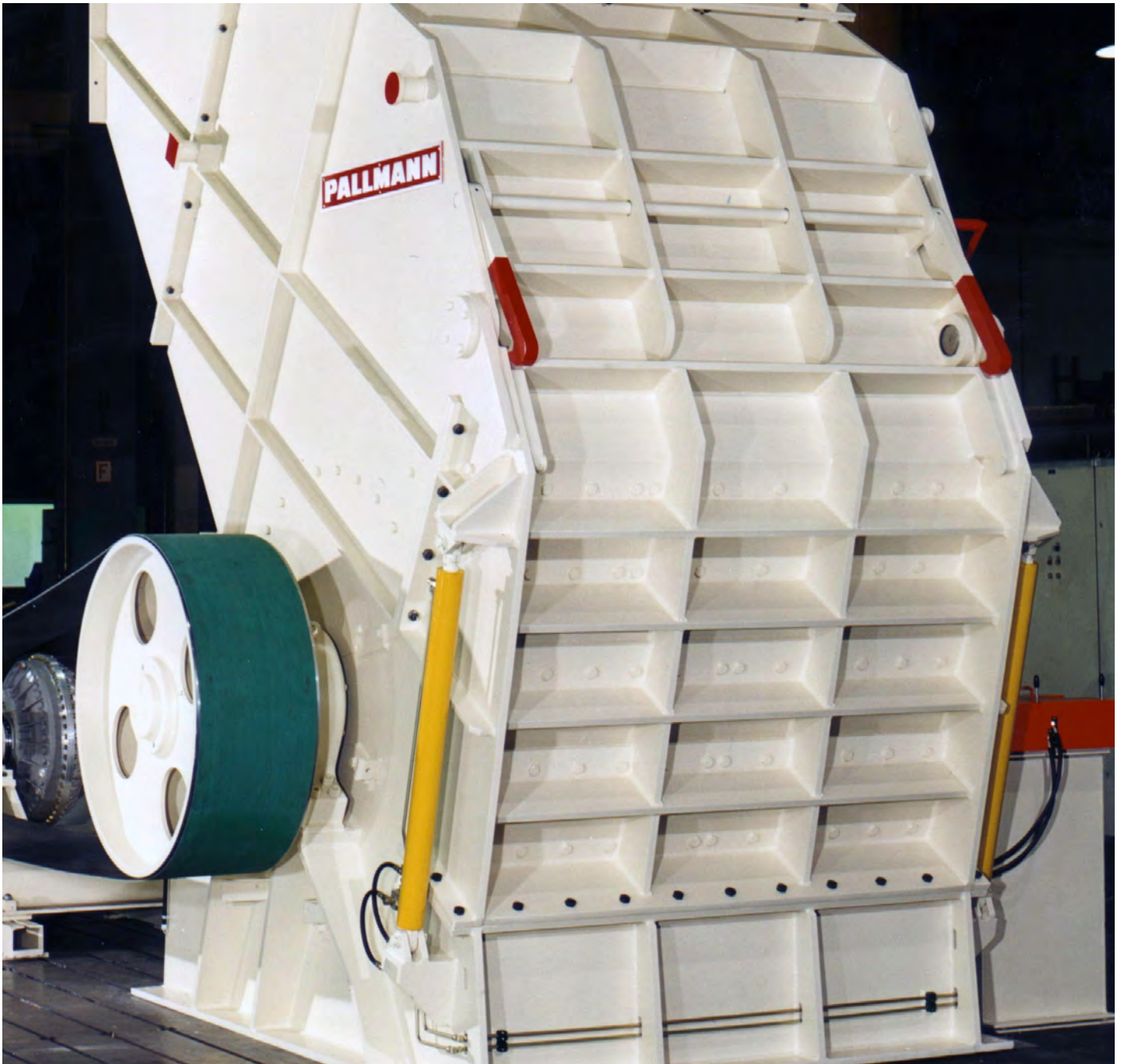


# PALLMANN

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## Impact Hammer Mill PHPS



# Impact Hammer Mill PHPS



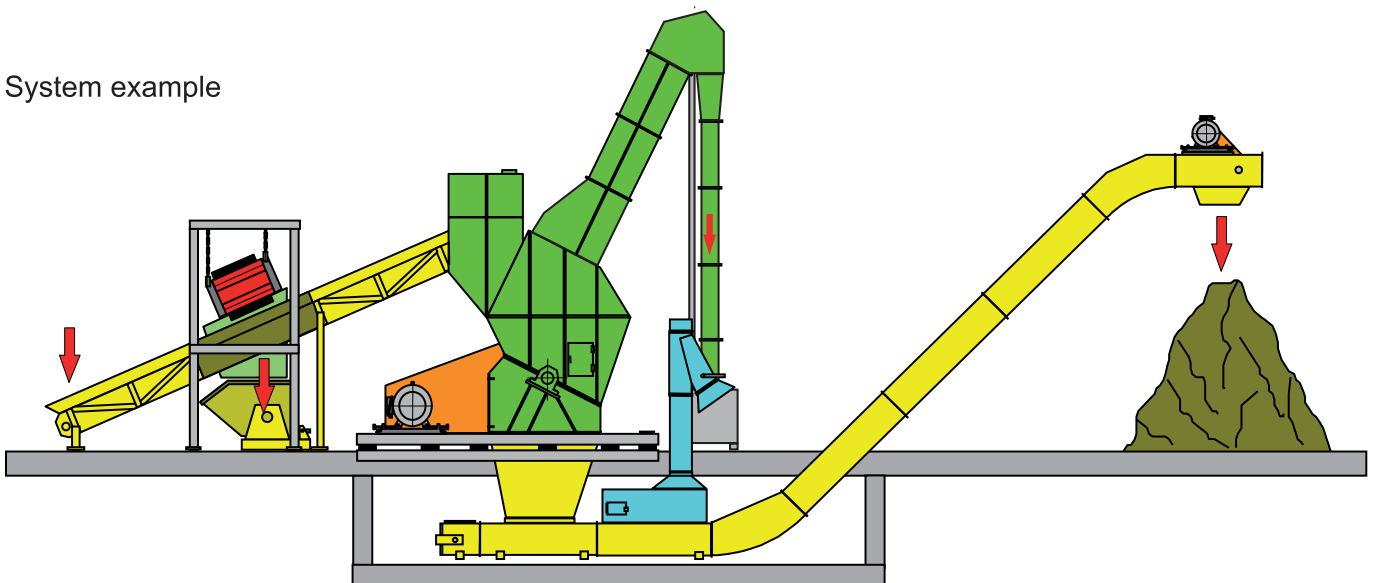
## Areas of Application

The well proven PALLMANN Impact Hammer Mill, type PHPS converts pre-shredded waste wood of any kind into valuable raw material for thermal and material recovery. Contaminated materials can be processed, foreign objects in the feed material is separated and automatically discharged.

## Method of Operation

Material is fed vertically from above. Heavy rotating hammers hit in an upward action against the material and throw it against the inside of the housing top above the rotor where it is pre-broken by impact. The wood pieces are split along the grain and metal contaminants enclosed in the wood are set free in the ballistic discharge chute because of their different ballistic curve. Further processing is effected by stationary breaker and comb bars. The finished product size is determined by the perforation of the screen. Material is discharged vertically downwards.

System example





## Design

The split design of the machine housing allows hydraulic opening. The sturdy disc rotor is stress-relieved. The heavy swing hammers offer two working edges. Adjustable guide plates regulate the flow of the feed material distribution to the rotor. The ballistic discharge chute is equipped with flaps for precise adjustment of the degree of separation. The heavy stationary screen can be supplied in split design. The grinding chamber can be hydraulically opened for easy access to the rotor for quick changing of the screen and the hammers.

## Decisive Advantages

- High throughput rates at low specific energy consumption
- Foreign objects are removed and separated from the waste wood
- Insensitive against feed fluctuations
- Hammers with two working edges
- Split housing design with hydraulic opening
- Easy access to the rotor for maintenance

## Technical Data

PHPS		8 - 9	8 - 12	12 - 15	16 - 15	16 - 18	20 - 20
Infeed width	mm	930	1.230	1.530	1.530	1.830	2,030
Infeed height	mm	330	330	510	705	705	950
Rotor diameter	mm	800	800	1.200	1.600	1.600	2.000
Rotor length	mm	900	1200	1.500	1.500	1.800	2.000
Motor	kW	110 - 132	160 - 200	200 - 315	315 - 400	355 - 450	500 - 700
Weight	kg	4.500	5.500	16.000	27.000	32.000	40.000
Throughput rate*	t/h	4,0 - 4,3	6,0 - 6,5	10,0 - 11,0	13,0 - 15,0	15,0 - 18,0	22,0 - 26,0

\*The throughput rate is depending on the type of waste wood feed into the machine and the required finished product size. The capacity figures resulting from practical operation while producing waste wood chips.





## 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
	Refiners
<b>System solutions for:</b>	Sifting-/classifying systems
Flake production	Chip washing systems
Fiber production	Re-chippers
OSB-production	Pre-crushers
Recycling	Impact hammer mills
Annual plants preparation	Screen ring mills
Thermal usage	Wing beater mills

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