

PALLMANN

Top Performance in Size Reduction

Special Hammermill PHMS 18-20

Pellet processing for combustion



The PHMS special hammermill is engineered specifically to meet the needs of power generators prepare pellets/briquettes for combustion. The substitution of coal by biomass for combustion has become a valuable alternative and many power generators are investigating this option. The low density of wood chips or flakes makes the transportation of the large volumes required uneconomical. Densified wood fibers in the form of pellets or briquettes is an economical way to transport and store wood and have a high caloric value.

Pellets provide a consistently high quality and reliable material for combustion and co-combustion. The PHMS will both break up the pellet/briquette plus perform the additional size reduction necessary before injection into the burner.

- **High throughput capacity per mill (up to 30 tons/hour)**
- **Pellet disintegration with additional size reduction of oversize particle, not suitable for combusting**
- **High machine availability at lowest maintenance costs**
- **Low energy consumption and “cold” milling due to full suction air cooling process**
- **Easy access to all wear and spare parts for quick exchange or adjustment of the process**
- **Shock pressure resistant design (0,5 bar)**

Principle of operation

The symmetrically designed machine housing allows operation of the mill in both directions ensuring maximum utilization of the wear and spare parts.

The feed material is introduced vertically from above. Flat steel beaters rotating at high speed split the material. The screen opening determines the size of the finished product.

The rotating flat steel beaters can swing back into the refining chamber in case of contaminants or coarse pieces.

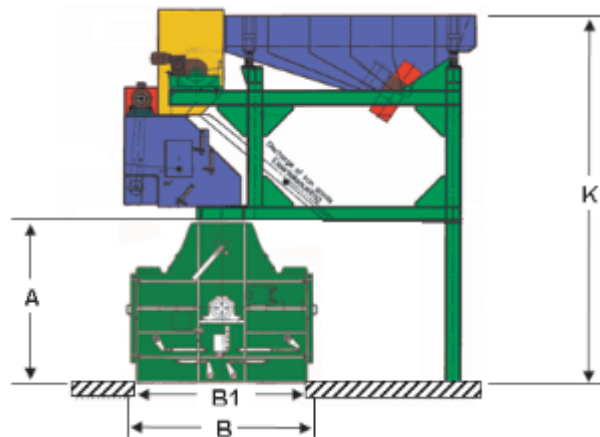
Multi-stationary refining elements integrated into the mill assist in size reduction.

Multi-screen zones allow the usage of variable screen openings in turning direction.

Hydraulically driven screen frames allow quick and secure access for screen change.

Temperature control for both housing and bearings.

The material discharge is to the bottom of the machine, product removal by means of full air suction.



Technical Data:

Type	PHMS	18-20	
Motor	kW	630	
Weight (Machine)	kg	19.000	
Weight (Feeding)	kg	3.500	
Discharge B1	mm	2.340	
Discharge C1	mm	2.110	
Dimensions (Installation)	Height A	mm	2.700
	Width B	mm	3.000
	Depth C	mm	2.570
	K	mm	5.410



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