

# Hammer Mill

From dry saw dust to powder

Up to 32 t/h

- High capacity
- Low energy consumption
- Direct or indirect coupling
- Bi-directional rotor



The robust design of Promill hammer mills allows to reach high level of quality and output, for a large range of applications.

Parts and materials are chosen to fulfill specific needs, in order to optimize their lifetime (hammers, screens, body...).

Promill hammer mills are perfectly adapted to mill fibrous materials such as sawdust, wood shavings and wood chips. Thanks to their efficiency, their adaptability, their ergonomics and their reliability, they naturally lead the market.

## Sulev Saar - CEO of Mite Engineering



Since we began to work together in 1996, Promill and I have installed a large number of pelletizing units for a total capacity over 800.000 t of wood pellets per year (example: Graanul Invest).

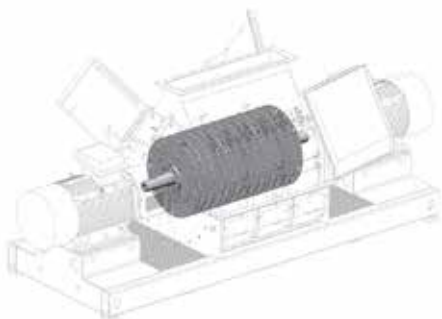
Further to their high quality and productivity, what I really like with Promill pellet mills is that they are very simple to operate and to maintain.

Together stronger  
for your success

# Hammer Mill

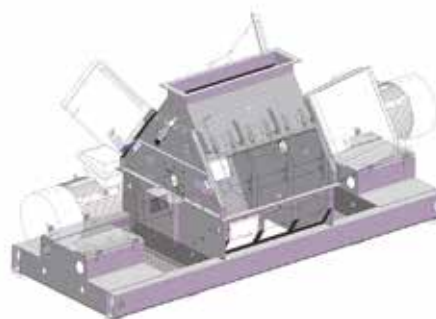
## Standards

---



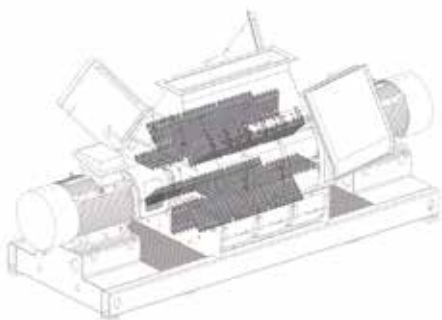
### Rotor

The rotor dynamically balanced with possibility of both rotation directions, permits to use the two faces of the hammers and optimize the wear of the screens.



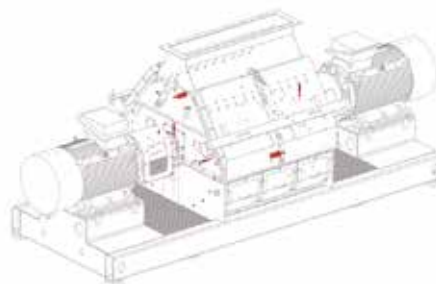
### Milling chamber

The bumper plates with counter hammers and the air flap permit an optimum working of the whole surface of the screens and a superior output with regard to the standards of the market.



### Hammers

The hammers are manufactured from special steels and have a particular shape, which endow an immediate efficiency with them at the start-up (without running-in), and also unequalled longevity.



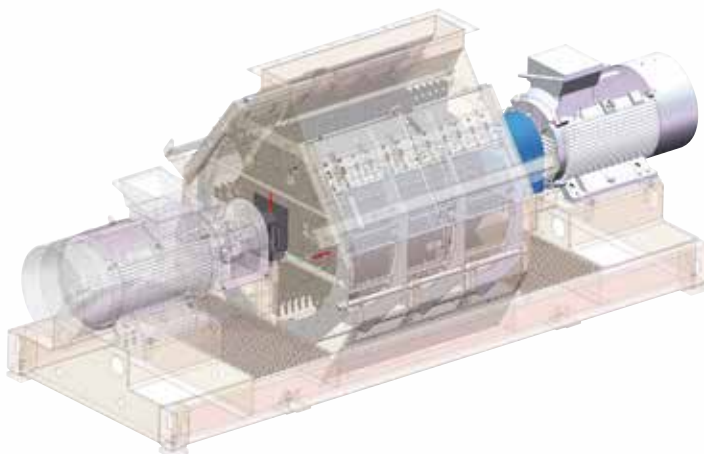
### Safety

All of our hammer mills are equipped with temperature sensor, vibration controller and locking safety system for a perfect safety.

## Capacities

---

Type	Power kW	Screen dimension	
		ø 4 mm (t/h)	ø 6 mm (t/h)
BNA 50	315	5-7	8-11
BNA 100	500	8-12	13-18
BNA 150	630	12-16	16-23
BNA 200	900	16-22	22-32



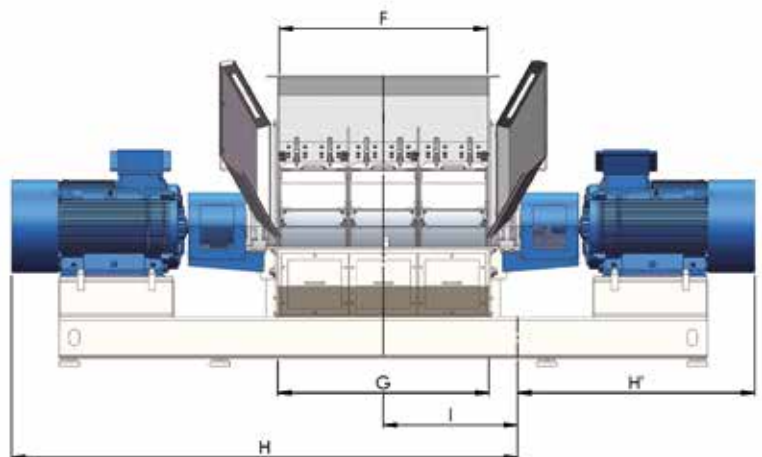
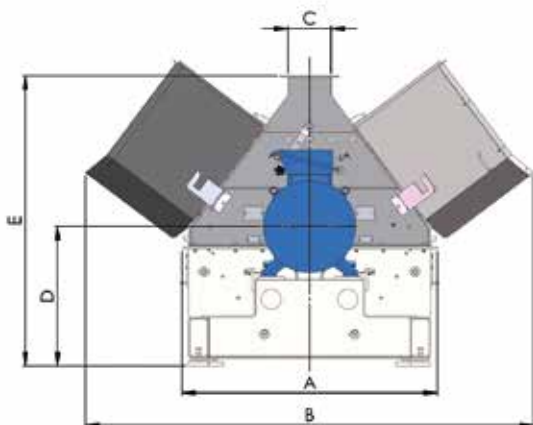
# Hammer Mill

## Main data

Type	Rotor		Screen		Hammers		Hammer mill		
	Ø mm	Width mm	surface m <sup>2</sup>	Number	Number	Weight Kg	Power kW	Weight Kg	Air volume M <sup>3</sup> /h
BNA 50	1.384	500	1.5	2	32-64-128	1.95	315	4.900	11.000
BNA 100	1.384	1.000	3.5	4	64-128-256	1.95	500	6.600	22.000
BNA 150	1.384	1.500	4	6	96-192-384	1.95	630	8.300	34.000
BNA 200	1.384	2.000	6	8	128-256-512	1.95	900	10.000	45.000

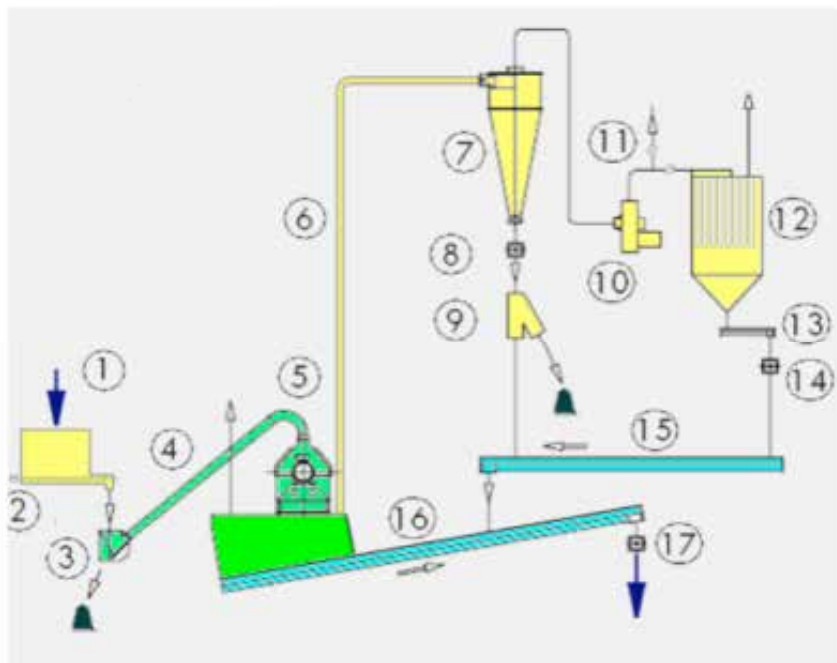
## Dimensions (mm)

Type	A	B	C	D	E	F	G	H	H'	I
BNA 50	1.900	3.060	320	1.025	2.155	530	560	2.320	1.750	500
BNA 100	1.900	3.060	320	1.025	2.155	1.050	1.050	2.350	1.750	748
BNA 150	1.900	3.060	320	1.025	2.155	1.550	1.570	3.760	1.750	998
BNA 200	1.900	3.060	320	1.025	2.155	2.090	2.190	5.112	1.750	1.684

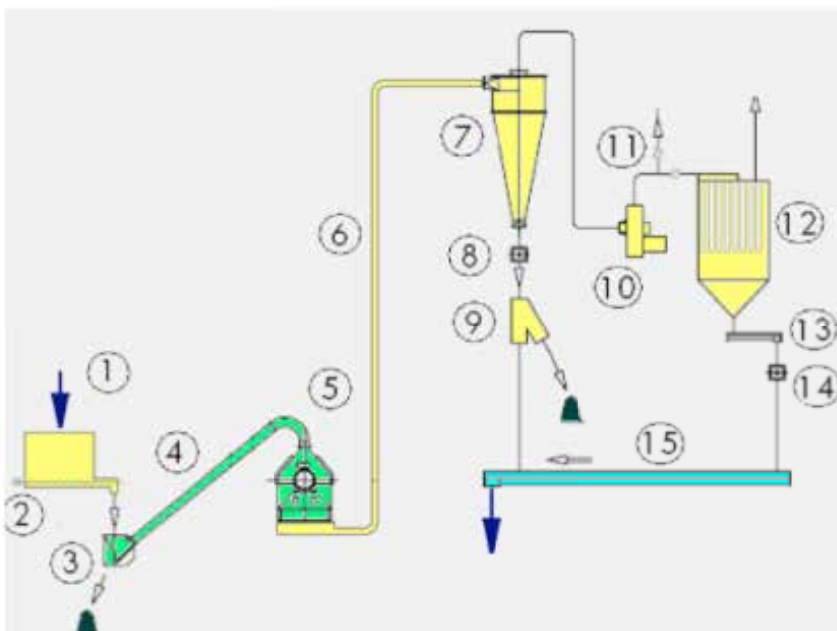


Together stronger  
for your success

## Mechanical handling



## Pneumatic handling



### Legends

1. Feeding bin
2. Feeding screw
3. Stone separator with magnet
4. Feeding pipe
5. Hammer mill BN
6. Hopper with explosion panel
7. Cyclone
8. Rotary valve
9. Bypass
10. Fan
11. Bypass
12. Filter
13. Screw
14. Rotary valve
15. Screw
16. Screw
17. Rotary valve

