

PALLMANN

Economical Recycling of Latex Waste

Save Valuable Raw Material with the Special-Knife Mill, type PS



Latex mattresses have been accepted in the market. Rejects are of considerable value to the manufacturer, due to the very high volume weight of latex foam, in comparison to conventional latex foam. These rejects can be directly introduced proportionally into the production cycle again by recycling with the ORIGINAL PALLMANN Special Knife Mill, type PS.



Decisive Advantages

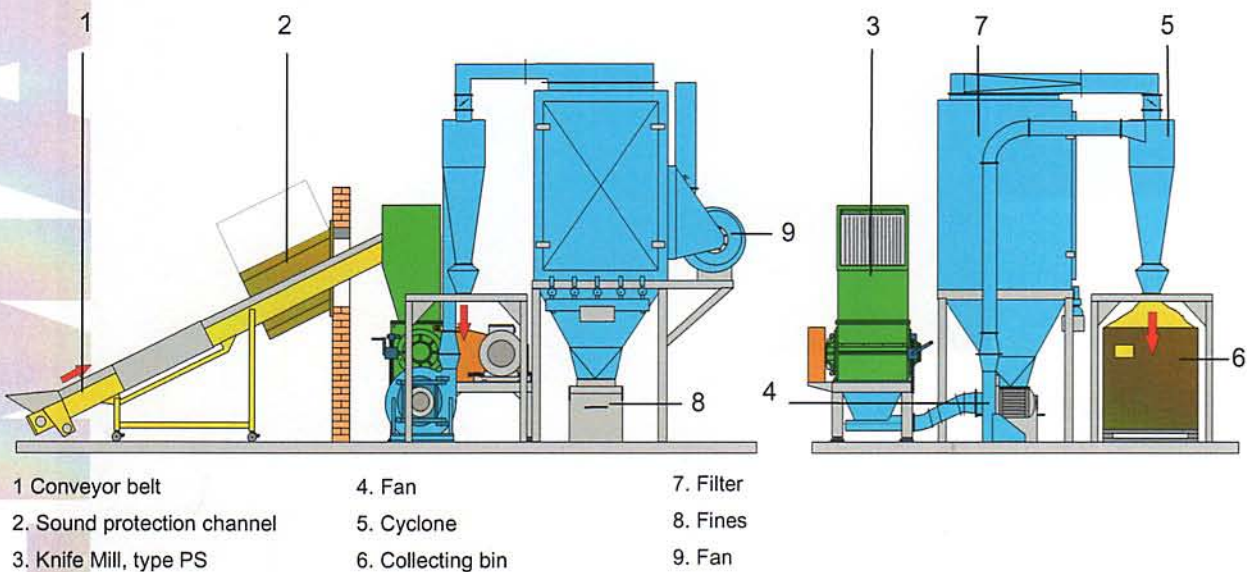
- *Very economical due to savings of expensive raw materials*
- *End product can be directly and proportionally re-introduced into the mixer*
- *180°-screen ensures a maximum throughput rate*
- *Preset knives outside the machine, therefore no knife setting necessary in the machine*
- *Easy access to the cutting chamber for cleaning*
- *Compact design with a minimum space requirement*

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Method of Operation

Latex strips with approximate dimensions of 150 x 150 x 2000 mm are fed into the knife mill via conveyor belt. The size of the cut foam is determined by the hole size of the chosen screen insert. Size reduction can be directly performed in one step to the desired fineness or the material can be precut and then size reduced. A fan suctions the mill and transports the material to a cyclone. The product is discharged into a collecting bin. A filter cleans the exhaust air of the cyclone.

It is recommended to install the size reduction unit in a separate bricked, sound insulated room in order to reduce the sound level, as well as the use of a sound protection channel.



Technical Data

Type	PS	4 - 5
Feed opening	mm	400 x 500
Rotor diameter	mm	400
Rotor length	mm	500
Motor	kW	37 - 45
Throughput rate*, one step	kg/h	100 - 200
Throughput rate*, two steps	kg/h	250 - 300
Weight	kg	1850
Dimensions (Mill)	Length	mm
	Depth	mm
	Height	mm

*Throughput rates heavily depends on feed material density.



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