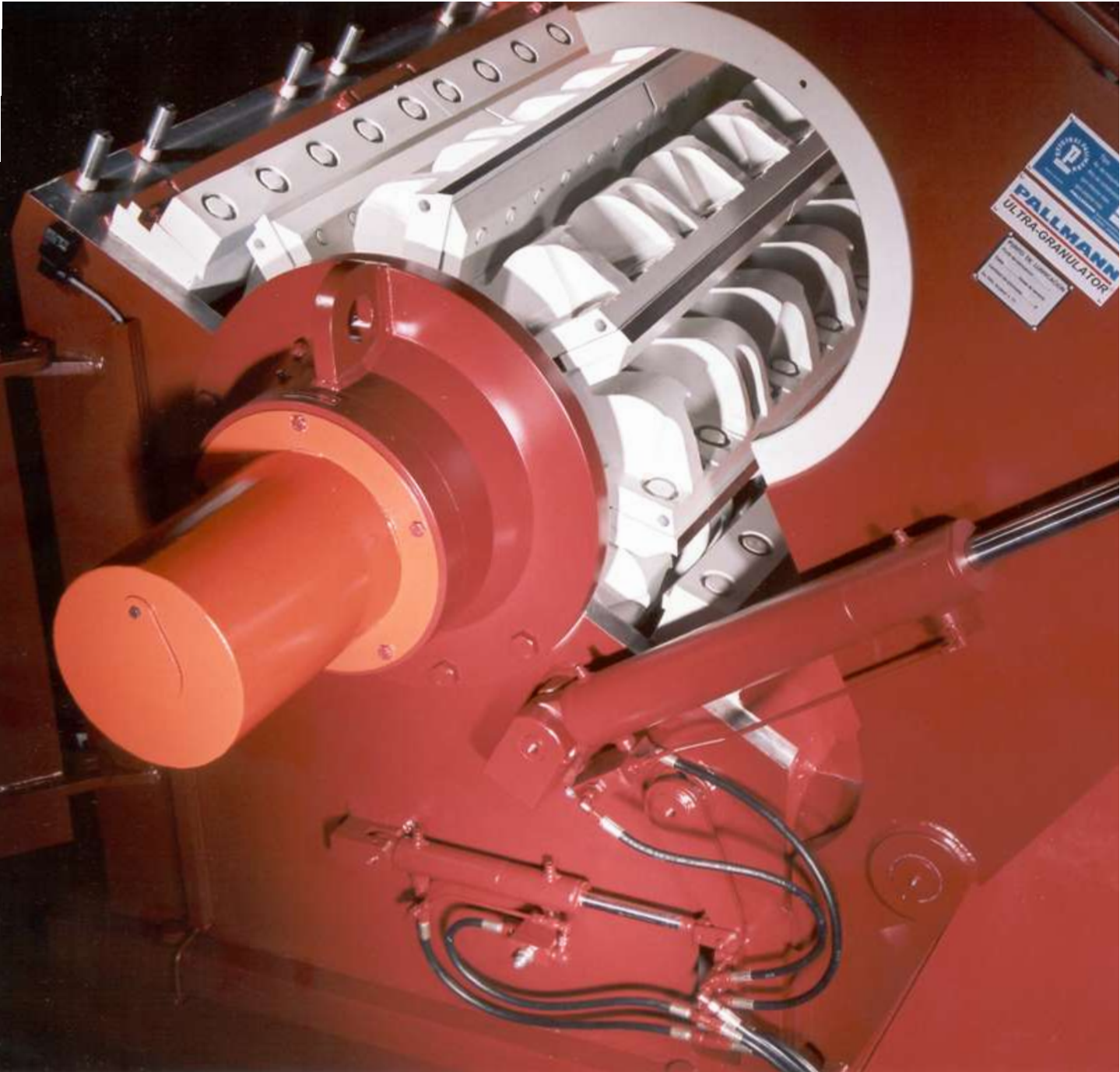


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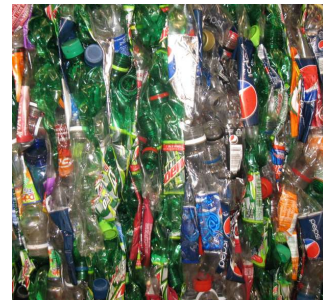
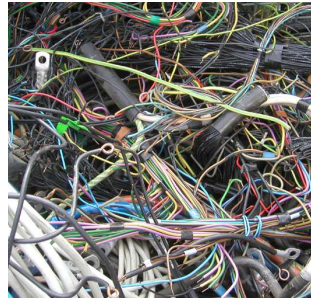
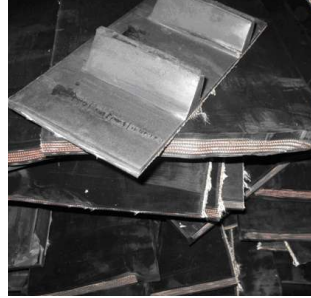
Ultra-Granulator PANTHER



Ultra-Granulator PANTHER

Areas of Application

Ultra-granulators, type PANTHER are used in recycling operations for the production of valuable secondary raw materials. The feed material should be available in pieces in order to be metered into the machine. To the PANTHER it does not make any difference whether or not it is fed with electronic waste or waste tire chips. It does neither sneeze at used batteries and waste cables nor at PET bottle waste, Tetra-Pack or carpet waste. Anywhere where roughest conditions exist and where reliability is required, the PANTHER is found in action. The PALLMANN specialists develop solutions so that the material can be continuously fed and transported from the mill. When required, a sorting system for the separation of the most various secondary raw materials can also be delivered with the machine.



Method of Operation

The Ultra-granulator, type PANTHER size reduces all cuttable material to a particle size smaller than 4 mm or if necessary coarser. Material is normally fed by means of a conveyor belt or vibratory feeder across the entire width of the machine. A real slant cut, reduces the energy required to a minimum during size reduction. Massive, angled rotor knives work with a very close tolerance cutting gap against opposing slanted counter knives. In the lower part of the housing, a well dimensioned screen is installed, which holds the cut material in the chamber until it is discharged through the screen holes. The material is then carried away from the machine by means of a pneumatic suction system. The product can be stored in silos or big bags in accordance with the customer's requirements.

Design

This heavy duty and compactly built machine is designed for the special requirements of modern recycling operations. Excellent accessibility into the cutting chamber by means of large front doors. The upper machine housing is hydraulically opened. Rotor- and stator knives are adjusted in fixtures outside the machine and can be re-sharpened many times. The screen frame is opened hydraulically and the screen is reversible, for even usage of both sides. The massive flanged bearings are centered in the housing and the safety devices are in compliance with the current machine builders directives.



Decisive advantages

- Homogeneous material preparation
- Low specific power requirement
- High throughput capacity
- Adaptable for different infeed materials
- Easy adjustment of required fineness
- Easy exchange of wear parts
- High machine availability
- Very low maintenance cost

Type	PS-B	630 x 800	630 x 1000	800 x 1250	800 x 1600	1000 x 2000	1200 x 2500
Scale-up factor	F=ca.	0,4	0,6	1,0	1,3	2,0	3,0
Infeed opening	mm	638x830	638x1030	810x1280	810x1630	1010x2030	1210x2550
Rotor diameter	mm	630	630	800	800	1000	1200
Rotor type		FS6	FS6	FS8	FS8	FS10	FS12
Motor	kW	75-110	110 - 132	160-200	250-315	315-355	400-500
Throughput capacity*	t/h	0,4 - 1,2	0,6 - 1,6	1,0 - 2,2	1,3 - 3,0	2,0 - 4,4	3,0 - 6,6

* Granulating truck tire granules size 20 x 20mm through a screen 4 x 4mm respectively through a screen 8 x 8mm.



The PALLMANN Group of Companies

The Pallmann Group of companies is the leading manufacturer for size reduction machines and systems for the plastic and recycling industry.

Pallmann Maschinenfabrik develops and manufactures machines and complete systems according to customer requirements or as standard solutions for the preparation of almost any plastic as well as recycling products. In its headquarters in Zweibrücken, Pallmann operates one of the world's largest research and technology centers as well as a training- and service center. More than 130 different test machines are available for the preparation of a wide variety of materials. A downstream laboratory analysis of the test material as well as the preparation on a production scale is possible. In addition to the manufacturing facilities in Europe, North- and South America, the Pallmann group of companies operates a worldwide spare parts- and service network.



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Design and manufacturing
Research and development
Production scale testing
Laboratory analysis
Worldwide service
Spare parts
Controlling
Process Control
Installation & Start-up
Overhaul & Repair

System solutions for:
Pulverizing
Granulating
Agglomerating
Recycling

Products:
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Doubleshaft Shredders
Prebreaker, Precrusher
Horizontal Impactmills
Vertical Shredders
Metal Shears
Horizontal Guillotines
Knife Mills
Ultra Granulators
Hammer Mills
Roller Crushers
Cryogenic Grinding Systems
Agglomerators
Compactors
Pulverizing Systems

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