

PALLMANN

Single Shaft Shredder LEOPARD



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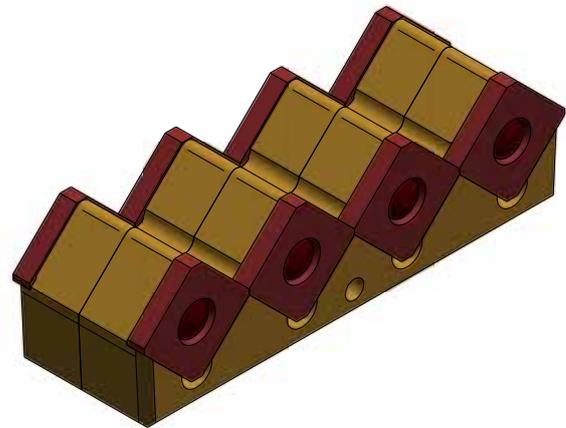
Areas of Application

Single shaft shredders, type LEOPARD are used in recycling operations for the production of valuable secondary raw materials. The feed material should be in pieces or in order to be metered into the machine. Whereby, it does not make any difference to the LEOPARD whether or not it is fed with old tire chips or automotive shredder residue (ASR). It despises used telecommunication equipment and cables as well as circuit boards, cable residues, household waste for substitute fuel and safety floor coverings. Anywhere where roughest conditions exist and reliability is required, the LEOPARD is found in action. PALLMANN specialists develop all aspects of the process: From feeding to size reduction and segregation, all the way to sorting and separation of the various secondary raw materials.



Method of Operation

The single shaft shredder, type LEOPARD size reduces all cuttable material to a particle size smaller than 20 mm or when necessary coarser. Material is normally fed by means of a conveyor belt or vibratory feeder across the entire width of the machine. The innovative ECOCUT™ rotor is equipped with massive, serrated rotor knife elements that can be used in both rotational directions. They work the material between the stator serrations. The tearing elements do not require re-sharpening, due to the regular reversing action of the rotor they are self sharpening. Only the stators must be adjusted at specific intervals and that can be comfortably performed from outside the machine. Well dimensioned screens are installed in the lower part of the housing, which retain the cut material in the cutting chamber until the desired final size of the material is achieved.



Design

This heavy duty and compactly built machine is designed for roughest operations. Two large front doors and screens that open widely allow easy access to the cutting chamber. **The ECOCUT™ allows for operation in both rotational directions.**

A “crammer” is not necessary due to the special design. The material is grasped by the rotor and drawn in. A discharge flap in the infeed directs foreign objects, detected during operation, out of the machine. The safety devices are in compliance with the current machine directives.

Decisive advantages

- Homogeneous Material Output
- Low specific power requirement
- ECOCUT™ rotor for optimized size reduction
- High throughput capacity
- Adaptable to different input materials
- Easy adjustment of required fineness
- Easy exchange of wear parts
- High machine availability
- Low maintenance costs

Type	PSRE	800 x 1500	800 x 2250	800 x 3000
Infeed opening	l x b mm	800 x 1500	800 x 2250	800 x 3000
Rotor diameter	mm	800	800	800
Screen size	mm	30 - 60	30 - 60	30 - 60
Motor capacity	kW	160	250	2 x 160
Throughput capacity*	kg/h	2.000 - 6.000	3.500 - 9.000	4.000 - 12.000

* Depending on feed material and particle size



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.



Engineering and Service:

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:

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

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