

Polaris Series



STATIONARY ONE-STEP SHREDDING





LINDNER

Carry on where others stop

Innovation as a principle. This basic idea has characterized the actions of Lindner ever since the company was formed in 1948. As a specialist for shredding technology we produce trendsetting solutions for waste processing – and at the same time are constantly setting standards with technological innovations.

Our three modern production sites in Austria manufacture machines and system components that are used worldwide.

Our product portfolio ranges from stationary and mobile shredding machines for waste

management through to complete systems for the recycling of plastics as well as for the production of alternative fuels and substrates for biomass systems. We also assume the planning and realization of large projects on request.

With the aim of always finding the best possible solution for each customer, we place our faith in continuous research and further development of our products. The result – machines and components that are that decisive step ahead: in terms of manufacturing quality, productivity and efficiency.

PRECISION PAYS OFF

Lindner's highly effective single-shaft technology guarantees high throughput volumes for your secondary shredding – with defined particle sizes.

The cutting principle of the rotors equipped with precise multiple knives ensures consistently high-quality shredding results even in non-stop operation. In addition, the machines can be adapted precisely to your individual requirements thanks to extended features such as the optional rotor cooling. For even greater reliability and productivity – under the most difficult conditions.



FULL SPEED AHEAD

Strong, robust, economical – the efficiency of a machine starts with its drive. Depending on the model, we use single or two-stage belt drives for our secondary shredders. These not only work extremely reliable, but are also practically maintenance-free as they do not require lubrication.

All components, such as the belt, are easy to replace and are permanently available worldwide. A torque-limiting safety clutch protects against damage in the event of faults.



POLARIS

The new class in the single-stage production of alternative fuels

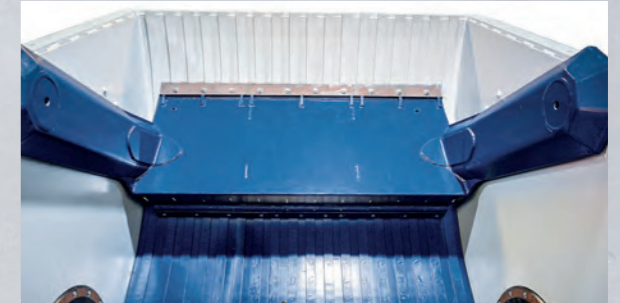
Powerful technology at your disposal: Lindner Polaris is a highly specialised single shaft shredder with enormous transmission power. Focused on the single-stage production of fuels with middle calorific values (50–100 mm) for the thermal processing of untreated domestic, industrial and commercial waste materials, this universal shredder has it all: sturdy design and low operating costs – 24 hours a day, 7 days a week.



SMART TECHNOLOGY – MADE STRONG

Optimized material loading

wide open hopper and internal hydraulic ram system for easy loading and reliable feeding of material to the rotor



Four-fold reversible knives

for rotor and counter-knife – easy to replace and multiside usable

Hydraulic maintenance flap

for quick removal of trapped materials and comfortable rotor maintenance



Hydraulically swiveling screen unit

for easy replacement of the screen modules and high output size flexibility

EFFICIENTLY POWERFUL TO THE FINISH LINE

The power developed by the 2-stage belt drive of the Lindner Polaris is equivalent to a flywheel mass of 11 tons.



This enables the storage of surplus energy in the partial-load area, which can then again be released in the peak-load area without additional power consumption.

The system perfectly shreds untreated waste and turns it into a well defined end product thanks to its higher torque and enhanced drive.



SERVICE

At your service worldwide with complete expertise

The robustness of our machines is matched by our expert and reliable worldwide service. Irrespective of whether you need quick help with technical problems, or whether it is a matter of professional maintenance and repair work: we are at your service and do everything to ensure that your systems live longer and run optimally. With our entire know-how in shredding technology and with the high quality assurance of Lindner original spare parts.

- Commissioning and training through qualified specialist personnel
- Individual fine-tuning of your machines on site
- Professional service hotline, quick technical support
- Speedy provision of spare parts worldwide with 100% Lindner original parts quality
- Tailor-made service and wearing-parts packages
- Machine-cleaning and tool-conditioning services

RELIABILITY IS PLANNABLE

Regular preventative checks by our technicians save you time and money. The audits analyse and document the condition of the machine and the power electronics. Wear and tear is recognized in an optimum manner and adapted to your production flow. The effect: considerably reduced downtimes of your machines.

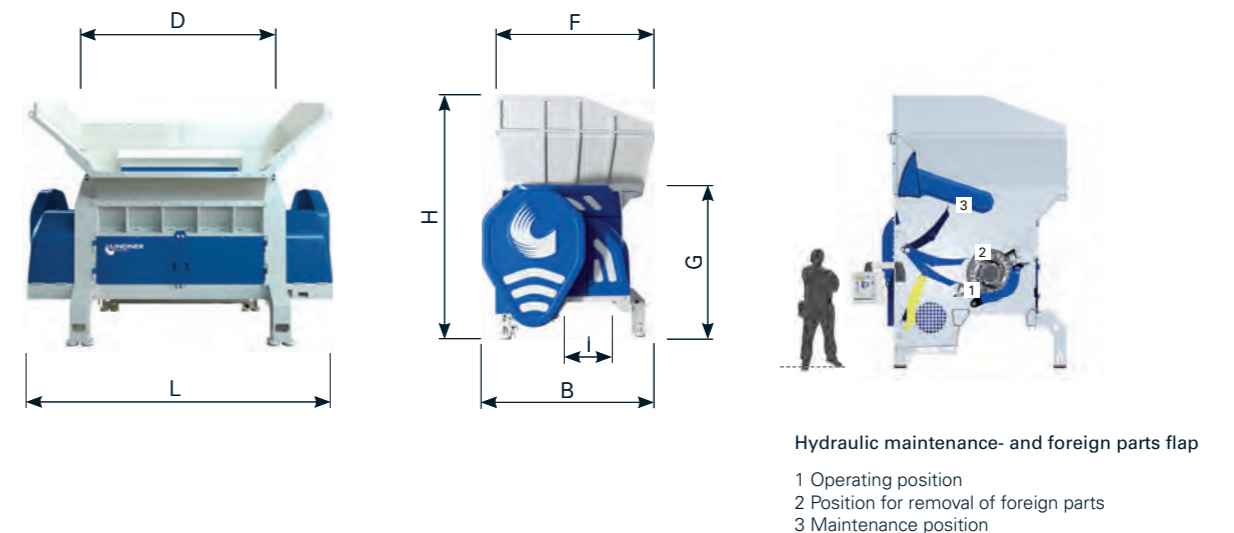


ALL PROCESS DATA RELIABLY UNDER CONTROL

The "Lindner MIS" machine information system offers you an innovative service that enables detailed monitoring of all relevant machine processes. The data and information recorded can provide important indications of potential for improvement, and thus serve as a basis for your targeted process optimization.



TECHNICAL DATA



		Polaris 2200	Polaris 2800
Dimensions*			
Measure (LxBxH)	mm	5375 x 2925 x 3111	6065 x 2925 x 4799
Filling opening (DxF)	mm	4090 x 3000	4090 x 3000
Filling height (G)	mm	3450	3450
Hopper volumes	m ³	9	10
Outlet width (I)	mm	960	960
Total weight	kg	24000	31200
Cutting unit*			
Rotor length	mm	2115	2805
Rotor speed	min ⁻¹	112	112
Standard tool		Blade knives	Blade knives
	mm	172L	172L
Number of knives	pcs.	60	80
Screens		hexagonal/ round/ sickle-shaped	
Number of screens	pcs.	6	8
Output size	mm	50 - 100	50 - 100
Drive unit*			
Type		2-step belt drive	
Motor	kW	1 x 200	2 x 132

* The stated values relate to standard machine versions with a standard hopper and supporting feet. The right to make technical changes is reserved.

Lindner-Recyclingtech GmbH

Villacher Straße 48 | 9800 Spittal/Drau | Austria
t.: +43 4762 2742 | f.: +43 4762 2742-9032 | office@l-rt.com

www.l-rt.com