

Komet Series
Komet PK Series
Komet HP Series



STATIONARY SECONDARY 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.

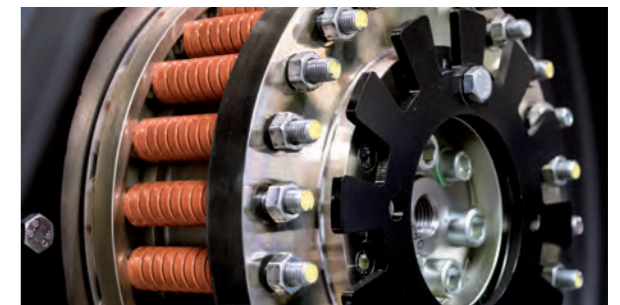
The cutting principle of the rotors equipped with precise multiple knives ensures consistently high-quality shredding results even in non-stop operation. In addition, the machines can be adapted precisely to your individual requirements thanks to extended features such as the optional rotor cooling or the ATEX explosion protection. 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 reliably, 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.



KOMET

Secondary shredding with razor-sharp efficiency

High throughput, defined result: the Lindner Komet is a secondary shredder that sets standards. Completely irrespective of whether you are processing domestic or bulky refuse, industrial or commercial waste, textiles, old paper or other materials – the Komet guarantees smooth processes at all times thanks to its robust construction, the precise tools as well as the intelligent comfort functions. You therefore benefit from high efficiency as well as first-class alternative fuel quality.



CLEVER TECHNOLOGY OPTIMIZES THE PROCESS

Robust, single-stage belt drive
for reliable power transmission to the rotor



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



In operation adjustable cutting gap
for continuous high output quality

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

SO COMPACT YET SO STRONG

The space requirement is as low as the performance is powerful: the space-saving concept of the Komet begins with the compact construction of the belt drive. And it is continued in the other components.



For example, the hydraulic ram has been moved to the inside of the cutting chamber. This not only saves space but also prevents undesired escaping of material.



KOMET PK

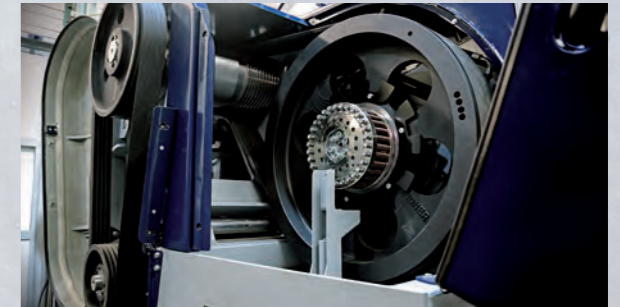
The economic miracle among the secondary shredders

Greater power with lower energy consumption: thanks to its highly efficient two-stage belt drive, the Komet PK ensures a higher torque under load – and simultaneously reduces the power consumption. As a result, the secondary-shredder achieves enormous throughput rates in non-stop operation, and saves a full 20% energy compared to the basic version of Komet.

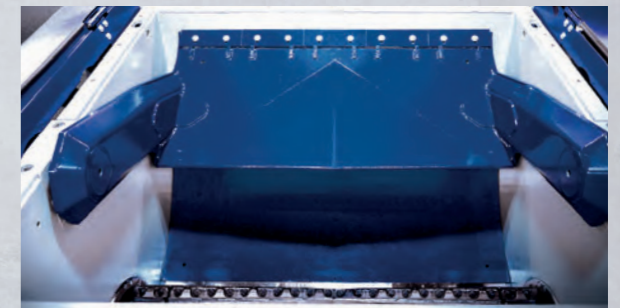


HOW EFFICIENCY WORKS

Two-stage belt drive with intermediate gear for highly efficient power transmission utilizing kinetic energy



Hydraulic, internal ram for reliable and even feeding of material to the rotor



Perfected control electronics for high throughput and smooth material flow – with pre-set programs for varying applications

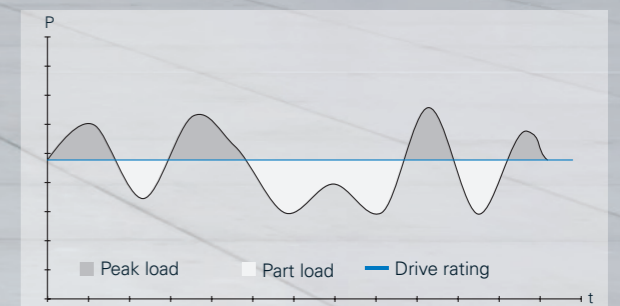
Optional frequency converter for rotor RPM adjustment and easy knife replacement utilizing the rotor creep-mode setting



NO DRIVE CAN BE MORE ECONOMICAL

The power developed by the 2-stage belt drive of the Komet PK 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.



KOMET HP

Even more power for even higher throughput

More powerful motors and additional knives on the rotor: with the Lindner Komet HP high-performance secondary shredder, you can overcome even the most difficult volume and material challenges. With up to 60% more output, the machine considerably raises your production capacities, and again noticeably increases throughput with consistently high output quality.



STRONG BECOMES STRONGER

More powerful motors

Up to 2 x 250 kW of motor output achieve an enormous increase in productivity.

More cutters

The 40% increase in the number of cutters guarantees best output qualities even with high throughput volumes.

Higher starting torque

Full production capacity is achieved in the shortest possible time even when starting under load.

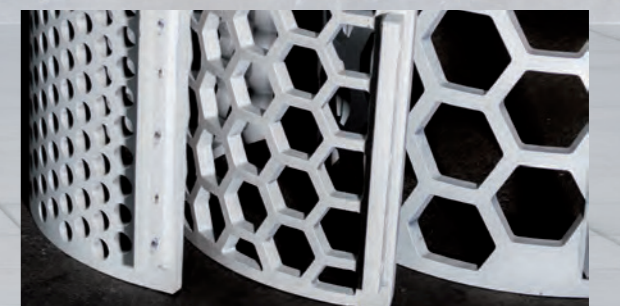
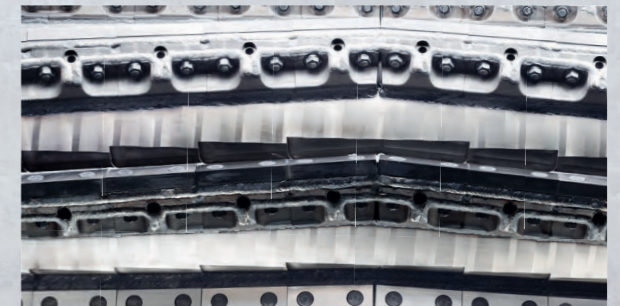
Full power in a small space

Thanks to its compact design, the Komet HP requires no more space than the Komet basic model.

TECHNOLOGY WITHOUT COMPROMISES

Thanks to its high manufacturing quality and robust construction, the Komet HP can cope reliably with even the highest burdens.

Reliable and fluid production flows are guaranteed at all times: after all, the high-performance shredder has all benefits of the basic Komet models.



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.

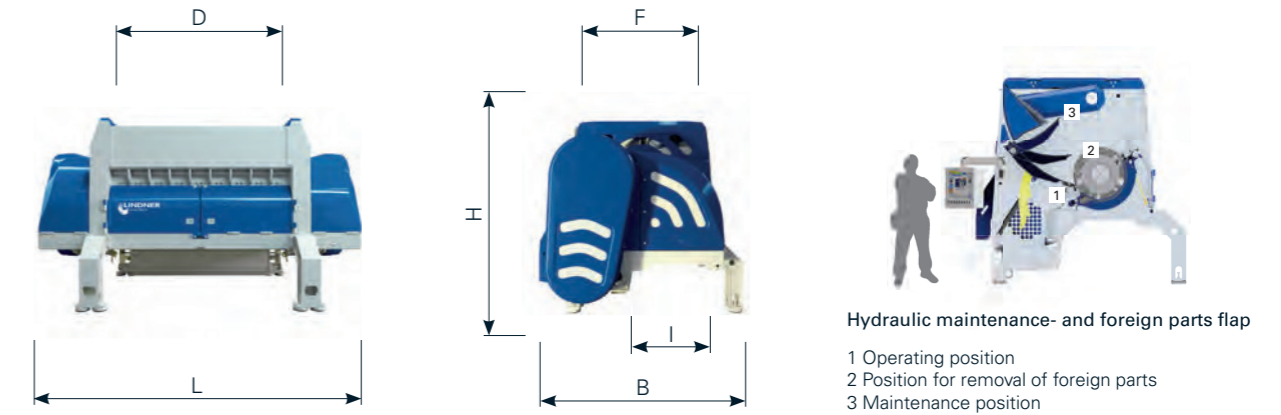


ALL PROCESS DATA RELIABLY UNDER CONTROL

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



			Komet 1800	Komet 2200	Komet 2800
Dimensions*					
Measure (LxBxH)	Komet Komet HP Komet PK	mm	4924 x 2925 x 3111 -	5755 x 2925 x 3111 5813 x 2925 x 3111	6445 x 2925 x 3111 6827 x 2925 x 3111
Filling opening (DxF)		mm	1790 x 2030	2135 x 2030	2825 x 2030
Cutting zone volumes		m ³	3,3	4	5,3
Outlet width (I)		mm	960	960	960
Total weight	Komet Komet HP Komet PK	kg	18500 -	22500 23200	26000 29000
Cutting unit*					
Rotor length		mm	1770	2115	2805
Rotor speed	Komet Komet HP Komet PK	min ⁻¹	355 -	355 355	367 367
Standard tool			Blade knives 172L	Blade knives 172L	Blade knives 172L
Number of knives	Komet Komet HP Komet PK	pcs.	50 -	60 84	80 112
Screens			hexagonal / round-shaped		
Number of screens		pcs.	5	6	8
End grain size		mm	10 - 150	10 - 150	10 - 150
Drive Unit*					
Type	Komet Komet HP Komet PK		1-step belt drive -	1-step belt drive 1-step belt drive	1-step belt drive 1-step belt drive
			2-step belt drive	2-step belt drive	2-step belt drive
Motor	Komet Komet HP Komet PK	kW	1 x 200 -	2 x 132 2 x 200	2 x 160 2 x 250
			1 x 200	2 x 132	2 x 160
Optional extras			Frequency converter, Rotor cooling, Winterpackage up to -25 °C		

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

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