

KOMET/POWER KOMET

Single Shaft Secondary Shredders

High performance,
that cuts to the chase.



Precision: Clean cut, defined result.

Sophisticated technology for a clean cut: The KOMET single shaft secondary shredder is the tailor-made solution for pre-defined granulate.

It reduces many different mostly pre-shredded materials without foreign parts – with continuous feeding, precisely to the point.

- High performance shredder with a throughput capacity of up to 28 tons per hour
- Reduction of pre-treated materials down to 10 mm
- Robust cutting rotor with low maintenance belt drive
- High throughput even with light materials thanks to the innovative pusher system
- Mature machinery concept – in operation about 250 times worldwide



The rotor: Precise like a scalpel.

- Continuous **cutting edges** with special geometry for more energy- and performance efficiency
- Uniform type of knife, installed as rotor- and static knife; **four-fold usability**
- **Continuously adjustable cutting gap** for optimal output quality

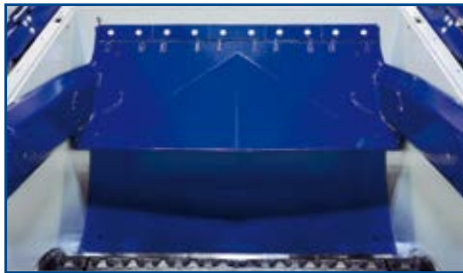


The drive concepts: Convincing efficiency.

- **High performance, low maintenance single stage** belt drive
- or **energy efficient and powerful two stage** belt drive (countershaft)
- Simple and robust **drive system** with **flywheel mass**
- Reliable drive system **without gearbox**



Your head start with Lindner:
High quality shredding – low production cost per ton.



The machine technology: Strong components.

- **Safety clutch** for protection of machine components
- Maintenance free **hydraulic pusher** system for high throughput
- **Service friendly** with worldwide available standard components
- Optional **rotor cooling system**



Handling & maintenance: Consequently simple.

- Patented hydraulic **maintenance flap** for simple rotor maintenance at comfortable working height
- Patented hydraulic swivel mounted **screen system** and **scraper unit**
- Quick **exchange of knives**
- **Static knives** continuously adjustable from the outside

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The ART of innovative SHREDDING!

Efficiency: Even more power, even less energy.

The slower running POWER KOMET remains on a winning streak. Because of the powerful countershaft drive and the proven and tested machine technology of the KOMET series, it is the epitome of power paired with unsurpassed efficiency.

- Powerful, two stage high performance belt drive (countershaft) – more power thanks to additional flywheel mass
- Higher starting torque and high throughput capacity, even in continuous operation
- Up to 20 % energy saving in comparison to the KOMET, up to 50 % compared to similar shredders
- Mature machine concept – in operation more than 150 times worldwide
- Also suitable as special solution for recycling applications with exceptionally high throughput



Control technology: Intelligent adjustments.

- Mature **control technology**, tailor-made for the machine
- **Pre-programmable** for different materials
- Simple handling via **touch-screen** with clearly arranged display
- **Remote access** maintenance possible



The special solution: Simple efficient recycling.

- **Low rotor speed** for safe shredding of even **large-volume, massive and strongly contaminated** materials
- Pointed or step knife rotor with **different knife sizes**
- **Maximum throughput** due to powerful, two stage **belt drive with flywheel mass**

Single Shaft Secondary Shredders

KOMET/POWER KOMET 2200 2800

**HIGH
PERFORMANCE HP**

The new definition of high performance.

Only Lindner tops Lindner: The KOMET and POWER KOMET single shaft secondary shredders are now also available as High Performance Edition. Up to 60 % more power at the same machine size, plus starting under load possible due to higher start-up torque.



Technical Data High Performance Edition

(Deviating from Standard)

	KOMET	POWER KOMET	KOMET	POWER KOMET
	2200		2800	
Rotor knives	84 pcs		112 pcs	
Drive power	2 x 200 kW		2 x 250 kW	
Total weight	24 t	26,8 t	29,9 t	32,9 t

Single Shaft Secondary Shredders

KOMET 1100 1800 2200 2800 POWER KOMET 1800 2200 2800

Shredders for secondary shredding / granulation of pre-shredded material free of foreign parts, e.g. domestic- and bulk waste, commercial and industrial waste, textiles, wastepaper and many others.

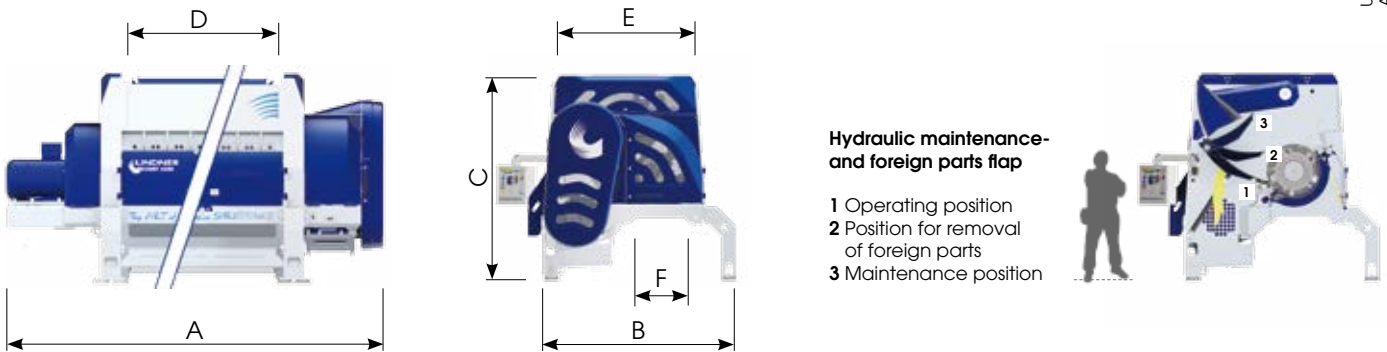


For production of defined output, ideally applicable for either recycling or thermal processing. Throughput capacity up to 28 t/h. Screens for output sizes from approx. 10 to 150 mm.

Technical Data

	KOMET	KOMET	POWER KOMET	KOMET	POWER KOMET	KOMET	POWER KOMET
	1100	1800		2200		2800	
Dimensions and weight							
Intake opening	1080 x 1265 mm	1790 x 2030 mm		2135 x 2030 mm		2825 x 2030 mm	
Cutting chamber volume	1,7 m ³	3,3 m ³		4 m ³		5,3 m ³	
Total weight	14,5 t	19,2 t	20,8 t	23,3 t	26,3 t	26,9 t	29,9 t
Cutting unit							
Rotor length	1060 mm	1770 mm		2115 mm		2805 mm	
Rotor knives	30 pcs	50 pcs		60 pcs		80 pcs	
Drive							
Drive power	1 x 132 kW	1 x 200 kW		2 x 132 kW		2 x 160 kW	
Rotor speed	355 rpm	355 rpm	264 rpm	355 rpm	264 rpm	355 rpm	264 rpm

Data refer to standard version, possible deviations due to variations.



Dimensions

in mm	A	B	C	D	E	F
KOMET 1100	4285	2580	3950	1080	1315	840
KOMET 1800	4924	3450	4810	1790	2030	960
KOMET 2200	5755	3450	4810	2135	2030	960
KOMET 2800	6445	3450	4810	2825	2030	960
KOMET 2200 HP	5812	3450	4810	2135	2030	960
KOMET 2800 HP	6827	3450	4810	2825	2030	960
POWER KOMET 1800	4705	3450	4810	1790	2030	960
POWER KOMET 2200	5375	3450	4810	2135	2030	960
POWER KOMET 2800	6065	3450	4810	2825	2030	960
POWER KOMET 2200 HP	5375	3450	4810	2135	2030	960
POWER KOMET 2800 HP	6285	3640	4810	2825	2030	960



Update: October 2014. Technical changes, misprints and errors reserved. All images are sample pictures. All specifications are approximate.