

LINDEMANN ZZ

Powerful, efficient, built for demanding material.



The ZZ is a high-performance, heavy-duty shredder designed for optimal processing of tough materials. With rotor diameters from 1750 mm to 3000 mm and inlet widths ranging from 1600 mm to 3000 mm, it delivers unmatched efficiency. The ZZ is equipped with advanced features such as a hydraulically driven feed system with optional Feed Optimizer for prepressing bulk materials and hydraulic anvil clamping for secure anvil positioning during shredding. The rotor and feed roller design allows for effective material compaction, while the innovative electric drive system ensures smooth operation and energy efficiency.

The ZZ's durable, wear-resistant housing and components are designed for easy maintenance, with features like a tiltable housing and a quick-access rotor. A fire suppression system enhances safety, while an optional dust suppression system improves the operation. With its robust design and versatility, the ZZ shredder is ideal for high-demand operations in metal recycling, processing aluminum, steel and other heavy materials.

GENERAL KEYFACTS

- **Processes cars, mixed scrap, and production waste** into uniform, high-quality fractions .
- **High throughput** for efficient large-scale recycling.
- Key technology enabling **efficient separation and sorting**.
- **Significantly reduces material volume** for transport and storage.

LINDEMANN KEYFACTS

- ⊕ Hydraulic rotor bearing lock prevents damage by allowing the rotor to evade trapped solid parts.
- ⊕ Anvil clamping system ensures secure anvil positioning during shredding.
- ⊕ Coarse parts ejection system allows non-shreddable materials to be ejected without interrupting operation.
- ⊕ Hydraulic grate cover and swivel grate control scrap density and material disintegration.
- ⊕ Drop-In front wall design allows for quicker wear plate replacement, reducing downtime and improving safety.
- ⊕ Replaceable wear plate under rotor bearing housing to protect the base structure.
- ⊕ Rotor lift for enhanced accessibility during maintenance.
- ⊕ Feed Optimizer for improved material flow and efficient shredding.
- ⊕ Optional insertable maintenance platforms for improved occupational safety.
- ⊕ Shredder Drive Assistant (SDA) for increased throughput and reduced wear.
- ⊕ Variable Frequency Drive (VFD) for optimum motor utilization and energy savings.

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FACTS AND FIGURES

Model		ZZ 175x160	ZZ 175x260	ZZ 190x260	ZZ 225x260	ZZ 250x260	ZZ 300x300
Rotor diameter	mm	1750	1750	1900	2250	2500	3000
Internal housing width	mm	1600	2600	2600	2600	2600	3000
Width of feeding chute	mm	1500	2500	2500	2500	2500	3000
Main motor	kW	499 600 750	750 920 1030	920 1030 1470	2200 3000	3700 4420	5150 7500
Input, up to*	t/h	23 27 34	48 57 64	64 71 85	130 160	210 240	340 480
Fe-Output, up to**	t/h	16 20 24	34 40 45	45 50 60	90 110	150 170	240 320

This information is only a general description and represents approximate values. It is not guaranteed and contains no warranties or assurance of any kind.
*The performance data is strongly dependent on the type and composition of the feed material, the feed density, the feed rate, and the overall operating performance including the qualification of any operator
**These values assume a material composition of 70% ferrous content in the infeed.