



ZMS

Shredder For MSW

- Single large diameter rotor (750 mm)
- High speed internal ram design
- Access hatch for ease of maintenance
- Compact rugged design
- High torque variable speed drive



The ZERMA ZMS series shredders use large 80 mm concave ground square knives, producing high quality output. The cutters can be turned after a side is worn out.



The internal high speed ram ensures optimal ingestion of lighter materials helping to achieve high outputs while requiring very little maintenance and reducing the risk of wear.



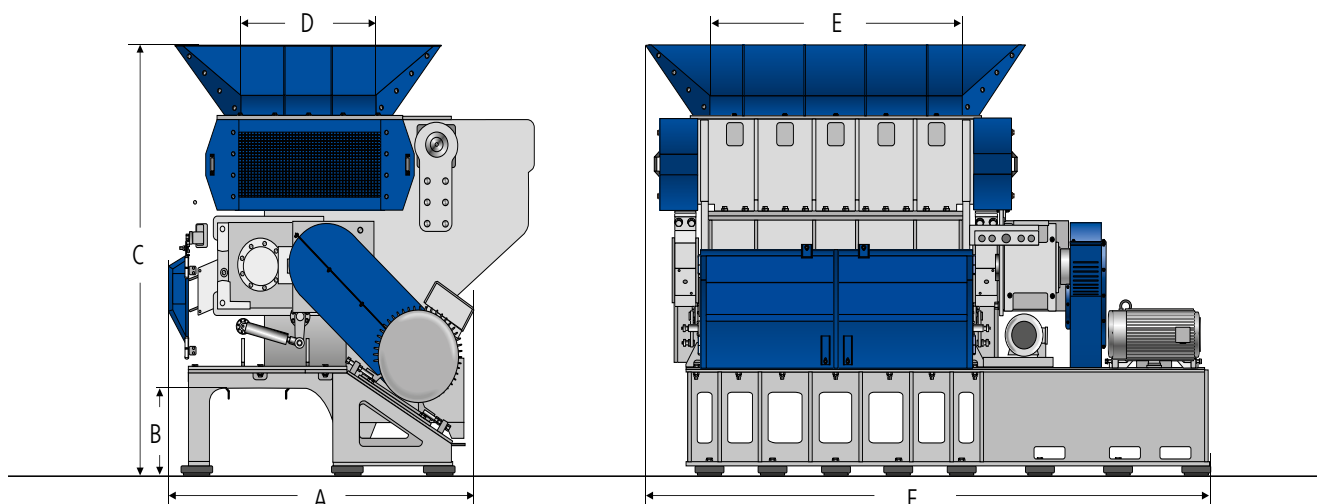
The ZMS shredders feature a hydraulically operated access hatch to ease access for maintenance and blade changes.

Applications

Designed to support municipal waste treatment facilities, recycling centers, and landfill operations, the ZMS shredder is capable of handling diverse materials for recycling or energy recovery. It is particularly effective at reducing pre-processed MSW streams to a final size of about 60 mm. From household waste to bulkier items, the ZMS shredder is an indispensable tool for modern waste management strategies, ensuring high throughput and the adaptability needed to meet the ever-evolving demands of the recycling industry.

General Description

The ZMS shredder series has been designed as a secondary shredder for the processing of Municipal Solid Waste (MSW). It features a large 750 mm diameter hardfaced rotor, equipped with large 80 mm knives, and is driven by a high-torque, variable-speed drive system that ensures smooth and efficient processing. Additionally, it comes equipped with an advanced high-speed internal ram, which helps avoid blockages and wear of internal guide rails. The ZMS shredders also feature a hydraulically operated access hatch at the back to facilitate maintenance and clear contamination easily.



Preliminary technical specifications

Type	2000	3000
Rotor diameter (mm)	750	750
Rotor width (mm)	1900	2760
Rotor speed (rpm)	150	150
Drive capacity (kW)	200	2 x 160
Rotor knives (pcs)	76	108
Stator blades (rows)	1	1
Screen size (mm)	> 16	> 16
Effective working area (mm)	1100 x 2020	1100 x 2820
Weight approx (kg)	17600	23600

Dimensions

Type	2000	3000
A (mm)	2420	2420
B (mm)	605	605
C (mm)	3020	3020
D (mm)	1100	1100
E (mm)	2020	2020
F (mm)	4885	7580

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