

Shredders for Voluminous Parts

ZIS

The ZIS series of shredders from ZERMA, are single-shaft shredders with increased internal cutting chamber volume.

The redesigned hydraulic pusher system creates approx. 35% more internal space in the cutting chamber while increasing the power and speed of the ram itself, to handle voluminous parts such as IBC's, wheelie bins, pallets, large drums etc.

The machines are equipped with rotor widths ranging from 1200-2000mm. As on the ZSS shredders, the rotor is driven by an oversized gearbox. The completely enclosed welded steel housing increases the operational stability and avoids material spillage.

The ZIS incorporates all the traditional advantages of the ZERMA knife and knife holder design as well as standard features such as outboard bearings, hydraulic screen cradle, easy maintainability, and advanced controls.



The shredders use concave ground square knives, producing high quality output. The cutters can be turned after a side is worn out.



The internal ram design on the ZIS series allows the cutting chamber volume to be increased while keeping a small footprint. Making the ZIS ideal for shredding of big volume parts.



All ZERMA shredders are equipped with a large diameter flat rotor. The knives are fixed in special knife holders fitted in machined pockets. Optional weld on hard facing is available for abrasive applications.

Key Features

- ▶ 35% more internal volume compared to the ZSS series
- ▶ Internal hydraulic pusher (ram)
- ▶ Variable speed, faster pusher movement
- ▶ Smaller footprint compared to traditional horizontal pusher style shredders
- ▶ All advantages of the conventional ZSS series



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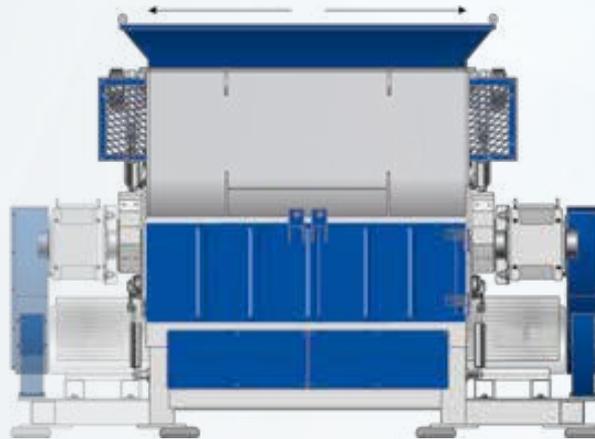
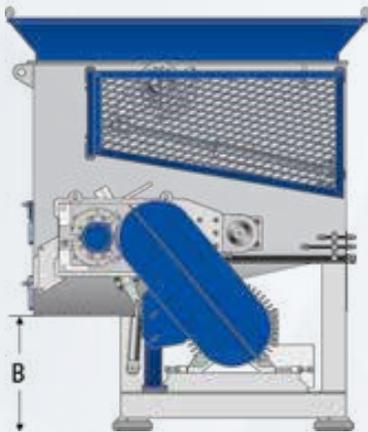
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ZIS

Type	1200	1500	2000
Rotor Diameter (mm)	457	457	457
Rotor Width (mm)	1130	1410	1970
Rotor Speed (rpm)	74	74	74
Drive Capacity (kW)	55	75	2 x 55
Rotor Knives (pcs)	54 / 81	68 / 102	96 / 144
Stator Blades (rows)	1	1	1
Ram Feeder Drive (kW)	5.5	5.5	5.5
Screen Size (mm)	> 40	> 40	> 40
Cutting Chamber Volume (m ³)	2.15	2.7	3.75
Effective Working Area (mm)	1400 x 1010	1400 x 1290	1400 x 1850
Weight Approx. (kg)	5000	6400	8800



Type	1200	1500	2000
A (mm)	2070	2070	2070
B (mm)	725	725	725
C (mm)	2600	2600	2600
D (mm)	1880	1880	1880
E (mm)	1140	1420	1980
F (mm)	2320	2635	3710

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April 2023