

ZIS

Shredders for voluminous parts



- 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



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

Applications

The ZIS shredders have been designed to handle voluminous parts plastic and wood industry. As with all ZERMA shredders, the ZIS such as IBCs, wheelie bins, pallets, large drums etc but also retain range can be equipped with a wear package for the processing of the versatility and flexibility to be used for general recycling in the highly abrasive, filled materials.



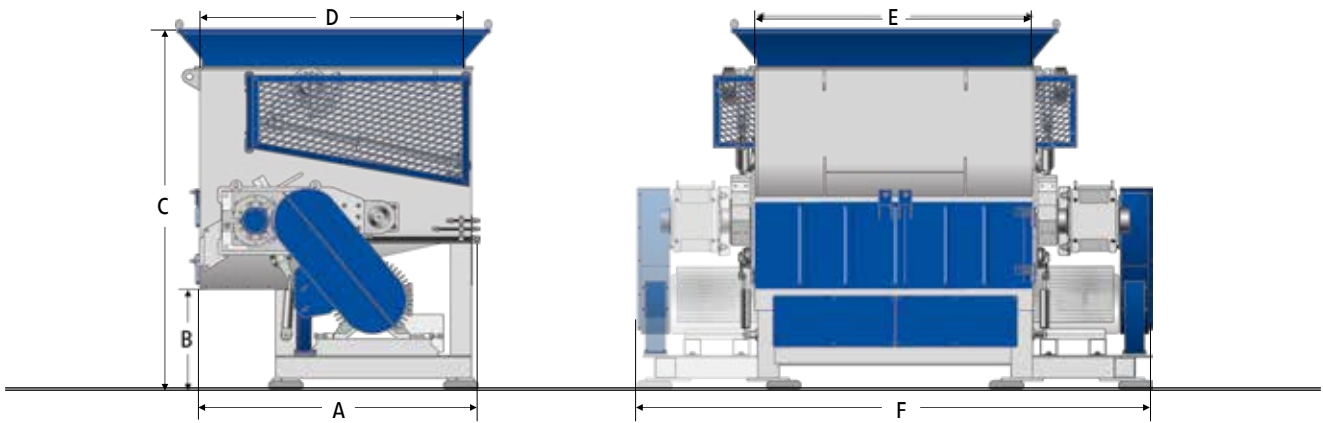
The internal ram design on the ZIS series allows the cutting chamber volume to be increased while keeping a small footprint. Making the ZIS ideal for shredding of big volume parts.

General Description

The ZIS series shredders are single shaft shredders with a large internal volume. The redesigned hydraulic pusher system creates about 35% more space in the cutting chamber while increasing the power and speed of the ram itself. The machines are equipped with a 457 mm diameter ZERMA E rotor with widths ranging from 1200 to 2000 mm. As on the ZSS machines the rotor is driven via an oversized gearbox. The completely closed welded steel housing increases the stability and avoids material spillage. The ZIS inherits all of the 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.



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.



Technical Specifications

| 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 |

Dimensions

| 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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