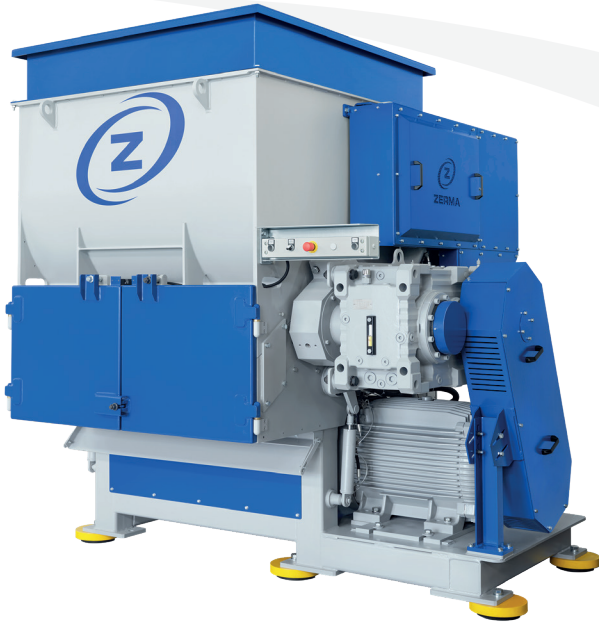
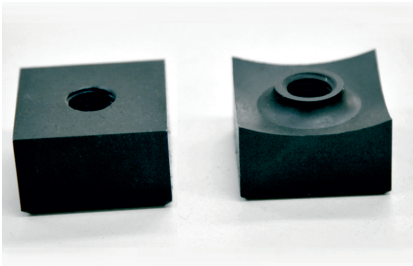


ZIS



Shredders for voluminous parts

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

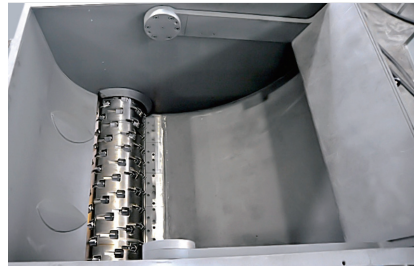


Knife Design

ZERMA shredders are available with different knife designs to fit specific applications. All knives are square and can be turned once one side is worn down.

Applications

The ZIS shredders are designed for the size reduction of large and voluminous plastic parts, including blow moulded parts, IBCs, wheels, bins, pallets and drums. They are also suitable for bulky items that require a large effective working area in a compact machine footprint. Depending on the screen size, the shredded material can be used directly or fed into the next stage of size reduction.

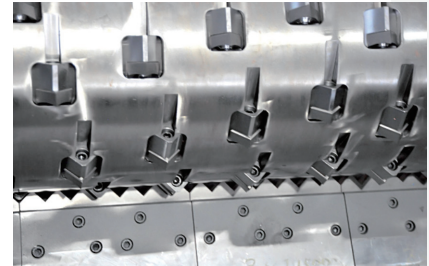


Internal Ram

The internal ram design of the ZIS series increases the usable cutting chamber volume while maintaining a compact machine footprint. This makes the ZIS ideal for the shredding of voluminous parts.

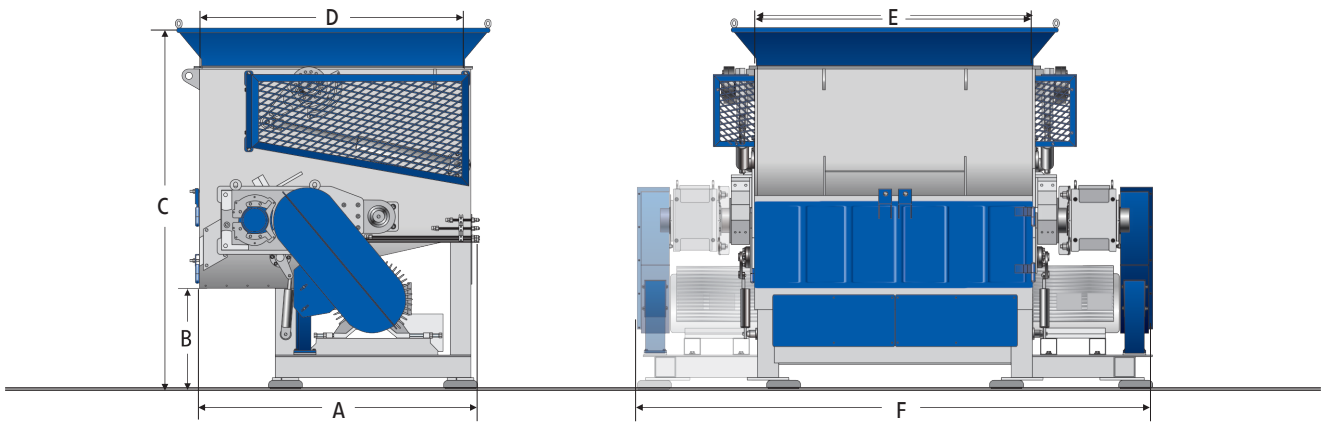
General Description

The ZIS series consists of single shaft shredders with a large internal volume and an internal hydraulic ram for efficient material feeding. Compared to the ZSS series, the redesigned pusher system provides approximately 35% more usable cutting chamber volume while maintaining a compact footprint. The machines are available with rotor widths from 1200 to 2000 mm and are driven by low speed, high torque geared drives. Standard features include the E-type rotor, outboard bearings and a hydraulically operated screen cradle for easy screen access. Optional hard facing and wear-resistant components are available for abrasive applications.



E-type rotor

All ZERMA shredders are equipped with the E-type rotor. The knives are mounted in precision-machined knife holders to ensure secure seating and consistent cutting performance.



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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