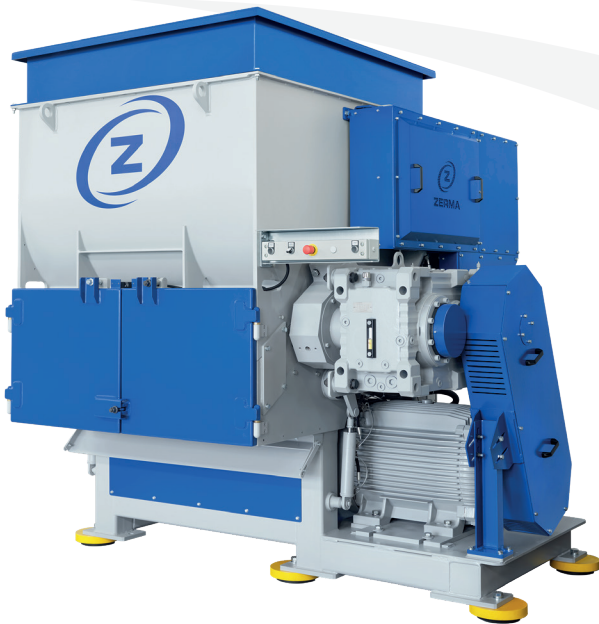
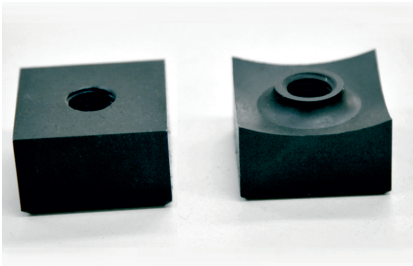


ZSS / ZPS



General purpose shredders

- Different rotor designs and materials
- Low speed, high torque geared drive
- Powerful hydraulic swing ram
- Compact footprint compared to horizontal pusher shredders
- Bolt-on wear parts
- Two-speed hydraulic system as standard
- ZPS with increased ram capacity



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 ZSS / ZPS shredders are designed for a wide range of recycling applications, including in-house and post-consumer waste processing. They are suitable for plastics such as lumps, purgings, pipes, profiles, film, woven bags, electronic waste, tyres, cables, paper, wood and other bulky materials. Depending on the screen size, the shredded material can be used directly or fed into the next stage of size reduction, for example in a granulator.

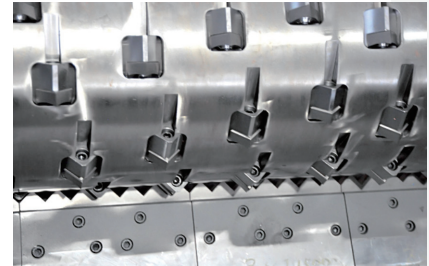


Swing Ram

The ZSS series benefits from a sturdy ram construction with a universal coupling for reliable operation. The hydraulic swing ram ensures consistent material feeding and helps prevent bridging.

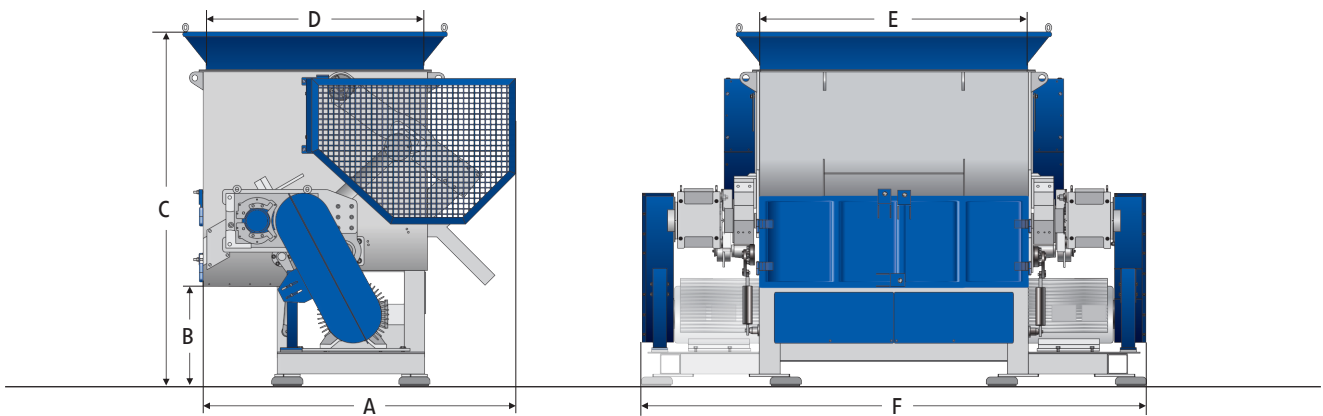
General Description

The ZSS / ZPS shredders are single shaft shredders with a powerful hydraulic swing ram for efficient and controlled material feeding. The machines are available with rotor widths from 850 to 2000 mm and are driven by low speed, high torque geared drives. Their compact design reduces floor space requirements compared to horizontal pusher shredders. Standard features include the E-type rotor and knife holder system, 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	850	1200	1500	2000
Rotor diameter (mm)	457	457	457	457
Rotor width (mm)	850	1200	1500	2000
Rotor speed (rpm)	74	74	74	74
Drive capacity (kW)	37 / 55	55 / 75	75 / 90	2 x 55 / 2 x 75
Rotor knives (pcs)	40 / 60	54 / 81	68 / 102	96 / 144
Stator blades (rows)	1	1	1	1
Ram feeder drive (kW)	5.5	5.5	5.5	5.5
Screen size (mm)	> 40	> 40	> 40	> 40
Cutting chamber volume (m ³)	1.37	1.82	2.27	3.16
Effective working area (mm)	800 x 770	800 x 1050	800 x 1330	800 x 1890
Weight approx. (kg)	5100	5900	6600	8600

Dimensions

Type	850	1200	1500	2000
A (mm)	2300	2300	2300	2300
B (mm)	725	725	725	725
C (mm)	2795	2795	2795	2795
D (mm)	1590	1590	1590	1590
E (mm)	840	1120	1400	1960
F (mm)	2010	2290	2610	3760

ZERMA MACHINERY & RECYCLING TECHNOLOGY CO. LTD.

5 Xinjie Rd Xinqiao · Township Ind. Park
 Songjiang · Shanghai · China
 Phone: +86 21 57645573 · info@zerma.com

