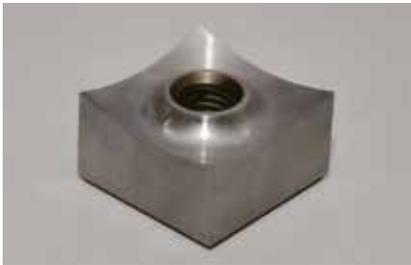


ZSS / ZPS

General purpose shredders

- Multiple rotor designs and materials
- Low speed, high torque geared drive
- Powerful hydraulic swing Type pusher (ram)
- Smaller footprint compared to traditional horizontal pusher style shredders
- Bolt-in drive shafts
- Two speed hydraulic system as standard
- ZPS with a higher ram feeder



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

Applications

The ZSS / ZPS shredders have been designed for a wide array of applications and industries like in house and general recycling, electronic waste and post consumer waste handling. Input materials can be all kinds of plastics like lumps, pipes, film, woven bags; electronic waste like cables and ICs, paper, wood and other organic materials. Depending on input material and the following process the shredded material as defined by the used screen size can be directly used or go into the next step of size reduction for example in a GSH granulator



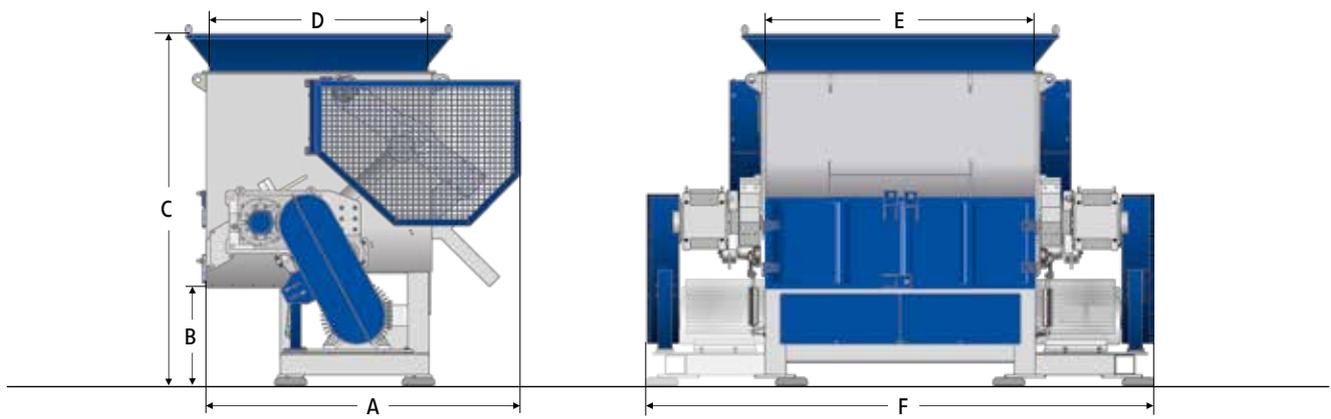
The ZSS series shredders benefit from sturdy ram construction incorporating heavy duty guide bearings and universal couplings for reliable operation.

General Description

The ZSS / ZPS shredders are single shaft shredders with a powerful two speed swing ram design eliminating the risk of blocking and wearing out of internal guide rails. The machine is very versatile and can be used for shredding of all kinds of input materials and is well suited for different industries. The 457 mm diameter rotors ranging from 850 to 2000 mm width are driven by one or two oversized gearboxes. The hydraulic power pack is well integrated into the machine housing to save space and protect it from damage but still easy to access or remove for maintenance. The standard E rotor features the proven ZERMA knife and knife holder design, as well as outboard bearings and a hydraulically operated screen cradle. The machines can be tailored to various applications with cooling or hard facing and other wear options



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	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

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