

OZMA Series Vertical Hammer Style Shredders



The OZMA Vertical Hammer style shredders are mainly applied in applications where further processing is required from pre-shredded metal scrap from a slow speed, high torque two shaft shredding system. These machines aggressively size reduce and densify pre-shredded material whilst liberating the various different fractions and allow for better downstream separation and reduced transport costs, The breakers or smasher in the upper part of the chamber break apart the material until it is small enough to enter the gap between the milling rings and chamber liners. When the material enters the second stage, the milling rings impact, grind and roll the material into clean fragments. When crushed into small enough pieces, the balled up material falls into the lower chamber. It is then ejected by the discharge paddle. The three stages above create a product that is both clean and high in bulk density suitable for transportation.

Typical Applications Include:

- Electronic Scrap – WEEE Directive Materials
- Aluminum – Castings, Profiles, UBC's etc.
- Scrap Steel – Pre-shredded steel sheets, metal drums etc.
- ELV's (End of Life Vehicles) – Pre-shredded vehicle bodies
- SLF (Shredder Light Fraction), ASR (Auto Shredder Residue)

Standard Features:

- Strong welded construction from heavy gauge, wear resistance steel plate.
- Integral, annealed and CNC bored two piece chamber for quick access and simplified maintenance.
- Durable, wear resistant, replaceable breakers, milling rings and chamber liners
- Oversized, spherical rotor bearings with advanced seal protection – prevents bearing damage due to product migration
- Adjustable product size control
- Replaceable wear plates in the chamber
- Stand Alone Electrical Control Panel - using quality Schneider (Telemecanique) components and Siemens PLC
- Tested, Approved and Certified to the applicable CE safety standards

Technical Data

Data \ Model	Z 1500	Z 2500	Z 3500
Dimension (L/W/H)(mm)	3400×2620×4220	4860×2760×4620	5570×2880×4890
Hopper Opening (W/H) (mm)	1280×780	1310×920	1330×1080
Input Height (mm)	3400	3660	3770
Rotation Speed (r/min)	460	460	460
Rotation Diameter (mm)	1100	1275	1450
Number of liners (PCS x rows)	12×2	12×2	12×2
Number of Hammers (PCS)	2	2	2
Number of Mill Rings (PCS)	48	48	60
Chamber Inner Diameter (mm)	1220	1390	1560
Chamber Operation Height (mm)	1050	1050	1050
Drive Power (HP)	150	120+120	175+175
Weight (lbs)	Approx 29700	Approx 46200	Approx 62700



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