



ZIS

SINGLE SHAFT SHREDDER

ZIS-SERIES

The ZIS series shredders are single shaft shredders with a large internal volume due to the spaecial ram design. They have been designed to handle voluminous parts.



The machines are equipped with a 457 mm diameter rotor with widths ranging from 1200 mm to 2000 mm.

The material is transported via the load-dependent controlled hydraulic pusher to the rotor. The slowly rotating rotor is equipped with cutting crowns which, together with the stator knives in the housing, shred the material. The final fineness is determined by the screen located under the rotor.

It is driven by a drive motor, V-belts and a generously dimensioned gearbox.

The ZIS shredders have been designed to handle voluminous parts such as IBCs, wheelie bins, pallets, large drums etc but also retain the versatility and flexibility to be used for general recycling in the plastic industry.

Advantages:

- 35% more internal volume compared to ZPS series
- Internal hydraulic pusher
- Small footprint compared to horizontal pusher style shredders
- Knives fixed in special knife holders



ZIS-SERIES

ZIS	1200	1500	2000
Rotor Ø (mm)	457	457	457
Rotor length (mm)	1200	1500	2000
Rotor speed (rpm)	74	74	74
Drive rotor (kW)	55	75	2 x 55
Drive hydraulics (kW)	5,5	5,5	5,5
Rotor knives (pcs.)	81	102	144
Stator knives (rows)	1	1	1
Cutting Chamber (mm)	1400 x 1010	1400 x 1290	1400 x 1850
Hopper volume (m³)	2,15	2,7	3,75
Weight (kg)	5800	6400	8800



Internal hydraulic pusher

The redesigned hydraulic pusher system creates 35% more space in the cutting chamber. Typically used for voluminous parts.



Hydraulic

It is load-dependent controlled and has a 2-stage hydraulics, i.e. the reverse movement takes place at increased speed.



The rotor

The rotor has a smooth, closed surface.



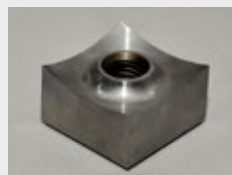
Bolted rotor knife holders and rotor knives

The rotor knife holders are screwed (and not welded) in a pocket. The rotor knives are also screwed into the knife holders. Changing the knives / knife holders is quick and easy using the puller included in the scope of delivery.



Adjustable stator knives

They guarantee a more precise cutting gap and therefore improved grinding quality.



Rotatable cutting crowns

The knife holders are equipped with concave shaped, rotatable cutting crowns. Ideal design for voluminous, hollow parts.



OPTION

Wet version shredder

2-inch water connection with 3/4-inch distribution. For pre-washing contaminated materials.



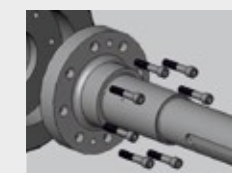
OPTION

Rotor with Hardox hard facing for particularly abrasive and dirty materials.



Screen

The screen basket is operated via a separate hydraulic 2-hand operation. Maintenance work on the rotor, changing the sieve, the rotor knives and the rotor knife holders can be done easily and quickly.



Bolted rotor shaft ends

Simplifies repair work enormously. They also represent a predetermined breaking point to protect the machine from more serious damage.

OUR SERVICES

We offer comprehensive spare parts, repair and maintenance service.

SERVICE

Our qualified specialists draw upon many years of experience in handling various types of machines. We repair and maintain machines from all major manufacturers.



SPARE PARTS, REPAIR AND MAINTENANCE

AMIS supplies spare parts and wearing parts for all makes and offers overhaul, repair and maintenance work, if possible even on site.

OPTIMIZATION

Customer specific adaptations include, for example, special hoppers, zig-zag separators, roll feeders, noise protection housing, forced feeding via force feeding screws and much more.

WE PURCHASE YOUR MACHINE

We buy used granulators, pulverizers and shredders by all common manufacturers.



TECHNICAL CENTER

Our in-house test center enables you to experience the quality of our machines and accurately simulate your process requirements.

Get in touch with us:

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