



ZXS

SINGLE SHAFT SHREDDER

ZXS-SERIES

The single-shaft shredder for demanding shredding tasks. The machines are extremely robust and achieve high throughput rates. Working widths from 1500 to 3000 mm and rotor diameters of 750 mm are available as standard.



The ZXS series is equipped with a two-stage hydraulics. This prevents high current peaks and possible rotor blockages.

The pusher device is guided without contact to the machine housing. The rotors of the ZXS series have a 750 mm rotor diameter. These are mounted in oversized ball bearing housings. The power is transmitted via V-belts in conjunction with generously dimensioned gearboxes at the respective rotor shaft ends.

The complete unit of the hydraulic power pack is space-saving, maintenance-friendly, separate and vibration-free mounted on swinging elements.

The rotor knives work as standard against a row of stator knives. The sturdy screen is bolted to the housing and can be opened and closed hydraulically.

Depending on the task, the single-shaft shredders are available with various wear options.



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



Drive
The drive is provided by two drive motors, V-belts and generously dimensioned gearboxes.



Hydraulic pressure pusher
With its generously dimensioned bearing it guarantees an optimal feeding of the material to the rotor.



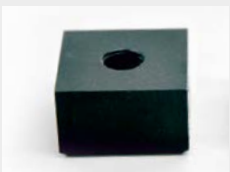
Front panel with serrated edges
The front plate of the feed pusher is equipped with serrated strips to ensure that bulky parts are securely held.



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

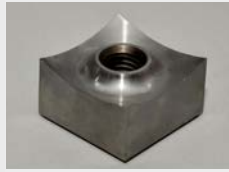


Durable pedestal bearings
The robust pedestal block bearings, that are separate from the cutting chamber, guarantee a long service life.



Optional cutting crowns
Special applications, such as the shredding of film or filaments, require flat, less aggressive cutting knives, which can be installed as an option.





Rotatable cutting crowns

The rotors are equipped with concave shaped, rotatable cutting crowns.



The rotor has a smooth, closed surface and is suitable for the processing of very different products and materials.



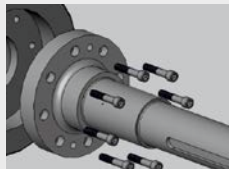
Bolted rotor knife holders and rotor knives

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 cutting quality.



Bolted rotor shaft ends

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



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.



ZXS-SERIES

ZXS	1500	2000	3000
Rotor Ø (mm)	750	750	750
Rotor length (mm)	1500	2000	3000
Rotor speed (rpm)	46	46	46
Drive Rotor (kW)	2x 75	2x 90	2x 132
Drive Hydraulik (kW)	7,5	7,5	7,5
Rotor knives (pcs.)	76	96	136
Stator knife (rows)	1	1	1
Cutting chamber (mm)	1500 x 1440	1500 x 1840	1500 x 2640
Weight (kg)	17000	20200	27000



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.

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