



# ZPS

**SINGLE SHAFT SHREDDER**

# ZPS-SERIES

Our single-shaft shredders from the ZPS series can be used universally. They are suitable for shredding solid parts and films that cannot be processed directly on a granulator.



The material is transported via the load-dependently controlled hydraulic, pusher to the rotor. The slowly, spinning 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 large and heavy rotor of the ZPS shredder series, the low rotor speed and the high torque ensure low current peaks and thus avoid high energy costs.

The shredders from the ZPS series are equipped with a 2-stage hydraulic system that prevents the rotor from jamming. Knife and knife holder are completely screwed into the rotor.

Generously dimensioned, externally mounted, rotor bearings and a hydraulically pivoting screen basket are part of the standard equipment of every shredder.



#### **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 different products and materials.



#### **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.



#### **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.

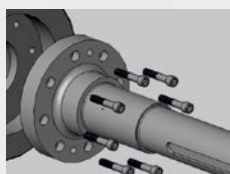






#### **OPTION**

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



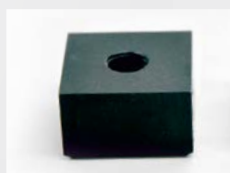
#### **Bolted rotor shaft ends**

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.



#### **Optional cutting crowns**

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



**SCAN  
ME!**



# ZPS-SERIES

| ZPS                  | 850       | 850 Plus  | 1200       | 1500       | 2000            |
|----------------------|-----------|-----------|------------|------------|-----------------|
| Rotor Ø (mm)         | 387       | 457       | 457        | 457        | 457             |
| Rotor length (mm)    | 850       | 850       | 1200       | 1500       | 2000            |
| Rotor speed (rpm)    | 74        | 74        | 74         | 74 / 102   | 74 / 102        |
| Drive Rotor (kW)     | 37        | 55        | 55         | 75 / 90    | 2 x 55 / 2 x 75 |
| Drive Hydraulik (kW) | 5,5       | 5,5       | 5,5        | 5,5        | 5,5             |
| Rotor knives (pcs.)  | 60        | 60        | 81         | 102        | 144             |
| Stator knives (rows) | 1         | 1         | 1          | 1          | 1               |
| Cutting chamber (mm) | 700 x 730 | 800 x 730 | 800 x 1050 | 800 x 1330 | 800 x 1890      |



# 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:

Telephone **+49 (0)6226 7890-0**

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