

HERBOLD Pipe Shredder EWS-R

The HERBOLD series EWS-R pipe shredder is a shaft shredder developed for shredding pipes and profiles up to a diameter of 1,050 mm and a length of up to 12,000 mm.

The shredded pieces are dropped into a large trough to be fed into the shredder. The feeding of the trough can be done by hand or by forklift truck. It is suggested to equip the shredder with a tiltable storage trough.

A ram is used to push the pipes and profiles against the rotating rotor to shred them. The feed device is controlled by an overload that measures the current consumption on the drive motor.

The shredder is normally operated without a sieve but it can also be fitted with a sieve later.

The granulated material falls into the removal shaft. From here it can be taken by conveyor belt, a discharge screw, or a suction fan according to task, for further granulation, for example.

The benefits are in the detail:

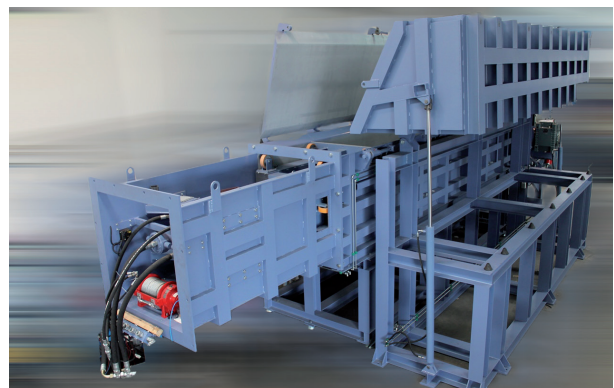
- Unlike products from competitors that only produce a thin chip; HERBOLD EWS-R produces a chunky intermediate product which shows a high bulk density and the best free-flowing property after further granulation via a secondary granulator. Thus as a rule, regranulation is not necessary.
- Optimized power transmission through drive by slip-on gear mechanisms, V belts, and three-phase motor.
- Rotor bearings are exterior pillow block bearings completely separated from the cutting chamber so that no grease can get into the product and no shredded material into the bearings.



Step 1: Material to be fed in is put in the tiltable storage trough



Step 2: Supply hopper "tips" the material into the hopper



Step 3: Feed device pushes the material onto the rotor.



Fig. 1: Feed material e.g., PE pressure pipes



Fig. 2: Shredded material



Fig. 3: EWS-R Rotor



Technical Specifications:

Type	Max. Rotordiameter	Feed Trough cross-section	Trough length Standard	Drive Standard	Performance Standard	Drive increased	Performance increased
EWS-R 85/90	710 mm	800 x 750 mm	6300 mm	1 x 37 kW	ca. 1 t/hr	2 x 37 kW	1,5 t/hr
EWS-R 150/200	1050 mm	1200 x 1200 mm	6300 mm (Option 3000 mm)	1 x 55 kW	ca. 2 t/hr	2 x 55kW	

* Technical changes may be made

Our Product Range

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- Granulators
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- Friction Washers
- Separation Tanks and Hydrocyclones
- Mechanical and Thermal Drying
- Water Processing

Agglomeration

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Specifications are not binding and subject to change without notice. 02 / 2023