

NEUE HERBOLD Single Shaft Shredder HZR Series

Precise + Application Oriented + Low RPM

experience engineered manufacturing details for serious solutions to various size reduction applications

Universal application oriented but also applicable for specific and individual material parameter

- **economically**
- **energy saving**
- **and effective**

APPLICATION

NEUE HERBOLD Single Shaft Shredders (One Shaft Shredders) are in use for the pre-size-reduction of:

- Film
- Hollow parts
- Mixed plastics
- Fibre and textile material
- Electrical cables and circuit boards
- Wood and paper
- Plastics for automotive recycling
- post consumer waste
- Pre-Size Reduction of bales
- energetic utilization of waste

FUNCTION

The feed hopper is fed using a conveyor belt, tilting device or manually. The material is pressed against the low rpm rotor by the hydraulic ram feed. Ram feeder operates in conjunction with the amperage load control. Ram feed speed is infinitely adjustable. The screen hole size determines the final product discharge size. After the size reduction process a transport screw removes the material from the shredder.

available machinery sizes:

Rotordiameter: 370 – 600 mm

Working width: 800 – 1600 mm



Single-Shaft-Shredder type HZR 1300

● Advantage

- automatic reverse operation
- exchangeable knife supports
- exchangeable cutting heads (bolted/plug-in connection)

● Heavy duty steel welded construction

the completely welded housing of the **NEUE HERBOLD** Single-Shaft-Shredders HZR Series are manufactured from special strength steel to guard against housing fracture and extraordinary stress.

● Outboard mounted rotor bearings

The rotor bearings are mounted completely outboard and separate from the shredder housing. The concept prevents any dust or material from entering the bearings which could lead to premature bearing failure. Furthermore this eliminates any temperature build up in the grinding chamber due to bearing operating temperature.