

## ZERMA: New ZRS series pipe shredder for larger diameter pipes.

Zerma has developed a new ZRS series pipe shredder to process plastic pipes with a diameter of up to 2.2 meters and a length of up to 7.0 meters.

The pipes are fed in horizontally via an enclosed feeding trough. To ensure safety the machine is switched off during loading and the area is secured by a light-grid ensuring the machine cannot be started with people or loading equipment in the area. As soon as the heavy-duty hydraulically operated cover is closed and locked the shredding process starts automatically. The pipes are pressed by a strong hydraulic pusher against the two rotors which are arranged vertically and rotate in the same direction. Once the pusher completes the forward stroke it will retract, the shredder switches off and a new loading cycle can start. The feeding hopper can accept various sizes of pipes, even cascading multiple pipe diameters, optimizing the production process and increasing the overall performance of the pipe shredder.

The rotors have a diameter of 1.3 meters and a width of 2.6 meters and are driven by a powerful gear combination consisting of two gearboxes with 55 kW motors each.

The ZRS series pipe shredder can shred pipes with different diameters and wall thicknesses as well as pipes that are nested in one another. The machine has a control panel with separate operator panel that allows the user to monitor and control the operation. This operator panel offers an intuitive touch screen user interface, allowing complete control and monitoring of the process to maximize productivity.

This newest model in the ZRS pipe shredder series will be put into operation at a North American pipe manufacturer.

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### About ZERMA:

ZERMA offers a wide range of products for the size reduction of various materials mainly in the plastic and rubber industries. The product range stretches from slow-speed beside-the-press granulators through to high-performance granulators, compact granulators, profile granulators, and a wide range of shredders with drive powers from 2.2 kW to 250 kW. The product portfolio is complemented by special machines such as pulverizers and hammer-mills as well as accessories and spare and wear parts.

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New pipe shredder ZRS 2600 - (Picture: ZERMA).