

Hydraulic Drive for ZERMA Single-Shaft Shredder



High torque with high
cutting force



Flexible and adaptable
to the material



Low-maintenance system
Minimal wear



In addition to the well-known electromechanical drive via motor, V-belt and gearbox, AMIS also offers the ZERMA shredders of the ZHS, ZPS and ZXS series alternatively with hydraulic drive.

This type of drive is designed for particularly demanding applications, such as thick-walled plates from extrusion, film packages or filaments. The machine operates extremely low-maintenance and reliably. With its buffer properties, this drive concept minimizes the mechanical stress on machine components.

High current peaks are avoided. The torque curve is constant, regardless of the rotor speed, which can be continuously adjusted from 0 to 100 rpm depending on the application. This proven drive concept is used wherever low-maintenance technology is required for particularly high loads.

Advantages of Hydraulic Drives

- Starting and reversing even under full load possible
- High torque at any rotor speed with extremely high cutting force
- Reduction of mechanical wear
- Low-maintenance system
- Robust against foreign objects
- Flexible and adaptable to the respective material by adjusting rotor speed
- Avoidance of high current peaks



Technical Data

Drive Hydraulic Unit	160 / 200 kW
Operating Pressure	350 bar
Maximum Pressure	400 bar
Torque	40.000 Nm (at any speed)
Rotor Speed	0 – 100 rpm
Hydraulic Pump Capacity	750 l/min
Oil Tank Volume	300 l
Oil Cooler Power	2,2 kW
Oil Heater Power	1 kW



For concrete questions, suggestions
or further requests, please contact us.
We will be happy to help you further.

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