

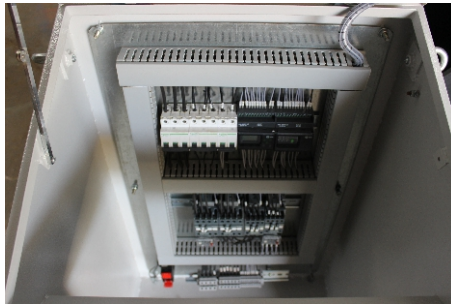


 **SINGLE-SHAFT SHREDDERS**

TECHNICAL HIGHLIGHTS

Intuitive operation thanks to PLC control

To ensure that the electronics are optimally matched to the machine, we design, build and wire our control cabinets ourselves. Intuitive touch interfaces guarantee quick adjustments. Functions such as setting the ram cycle or stop ensure a high throughput. The built-in overload protection also prevents defects in the machine.



No material bridges due to free-cutting hopper design



The hopper fulfils several tasks at once. First, the material to be shredded is fed through it – manually, mechanically, or by conveyor belt. The generous opening makes it easy to fill even very large parts. A decisive factor for shredding, however, is its special design, which is rounded at the front and thus effectively prevents material bridging. Even with bulky parts, the shredder cuts itself free. If required, hopper extensions and lids with gas pressure springs are available.



Precise cut with high throughput with profiled V rotor

The V rotor, specially developed by PRIMETECH, can be used universally and is made of solid material. Its aggressive material feed with up to two rows of knives guarantees high throughput with low power requirements. It can be equipped with hardened steel cutting knives in edge lengths of 30 mm and 40 mm. These can be turned over several times in case of wear, which drastically reduces maintenance costs.

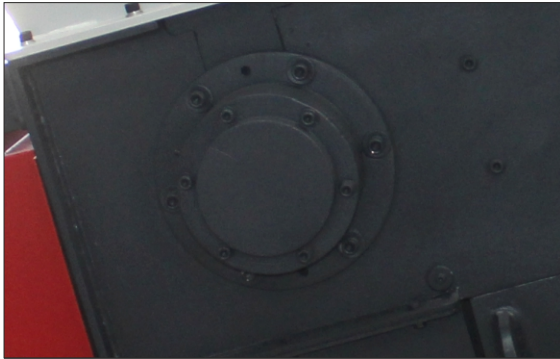


Safe material feed with load-controlled ram

The ram, which moves horizontally back and forth via hydraulics, feeds the material to the rotor. With PRIMETECH, it can be controlled or cycled automatically depending on the load. If required, of course, it can also be controlled manually.



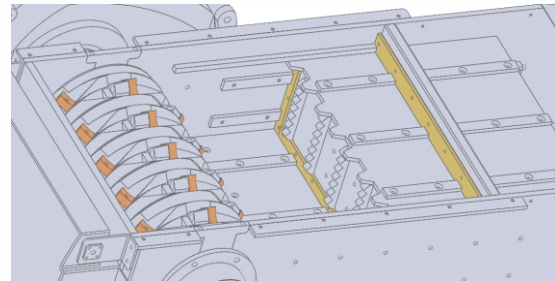
TECHNICAL HIGHLIGHTS



DURABLE ROTOR BEARINGS

thanks to offset design

A rotor bearing must be robustly designed due to the extreme stresses it is subjected to while it's in operation. To prevent dust or foreign matter from getting inside it, we have set it apart from the machine frame. This also makes it very maintenance-friendly and easy to access.



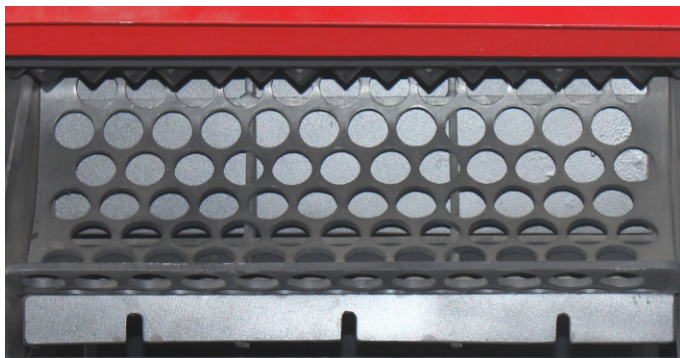
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Homogeneous shredding results

thanks to flexible, interchangeable screen

Adapt the screen to your needs. The smaller the hole diameter, the finer the shredded material that is discharged. Screens can be exchanged flexibly and are bolted as standard. A screen basket that opens downward ensures even faster screen changes and simplified maintenance.



TECHNICAL HIGHLIGHTS

Optimally protected hydraulics
installed in the machine frame



CLEAN DISCHARGE OF MATERIAL

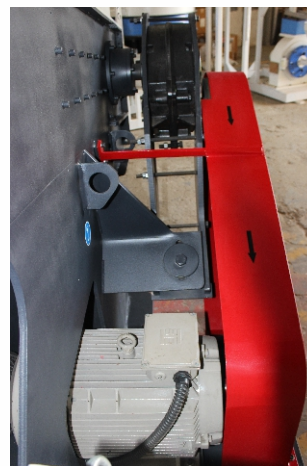
by suction, screw or conveyor belt

Depending on your needs and frame design (elevated machine with conveyor belt cutout or side spout), you have the option of discharging shredded material either by air suction, discharge screw or classic conveyor belt. We are also experts in conveyor technology and can supply you with a turnkey solution from a single source

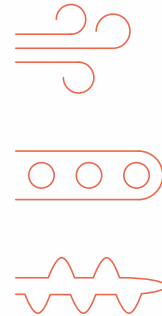
Efficiently absorb vibrations
with stable rubber feet

Vibration-damping machine feet ensure a secure footing and help to significantly reduce disruptive vibrations in the surrounding area.

Since the machine does not have to be anchored to the ground first, installation is particularly flexible and convenient.



Powerful drive
with gearboxes



 SINGLE-SHAFT SHREDDERS APPLICATIONS

