

ÖBB SHREDS STEEL SWARF WITH UNTHA S25

ÖBB-Technische Services GmbH

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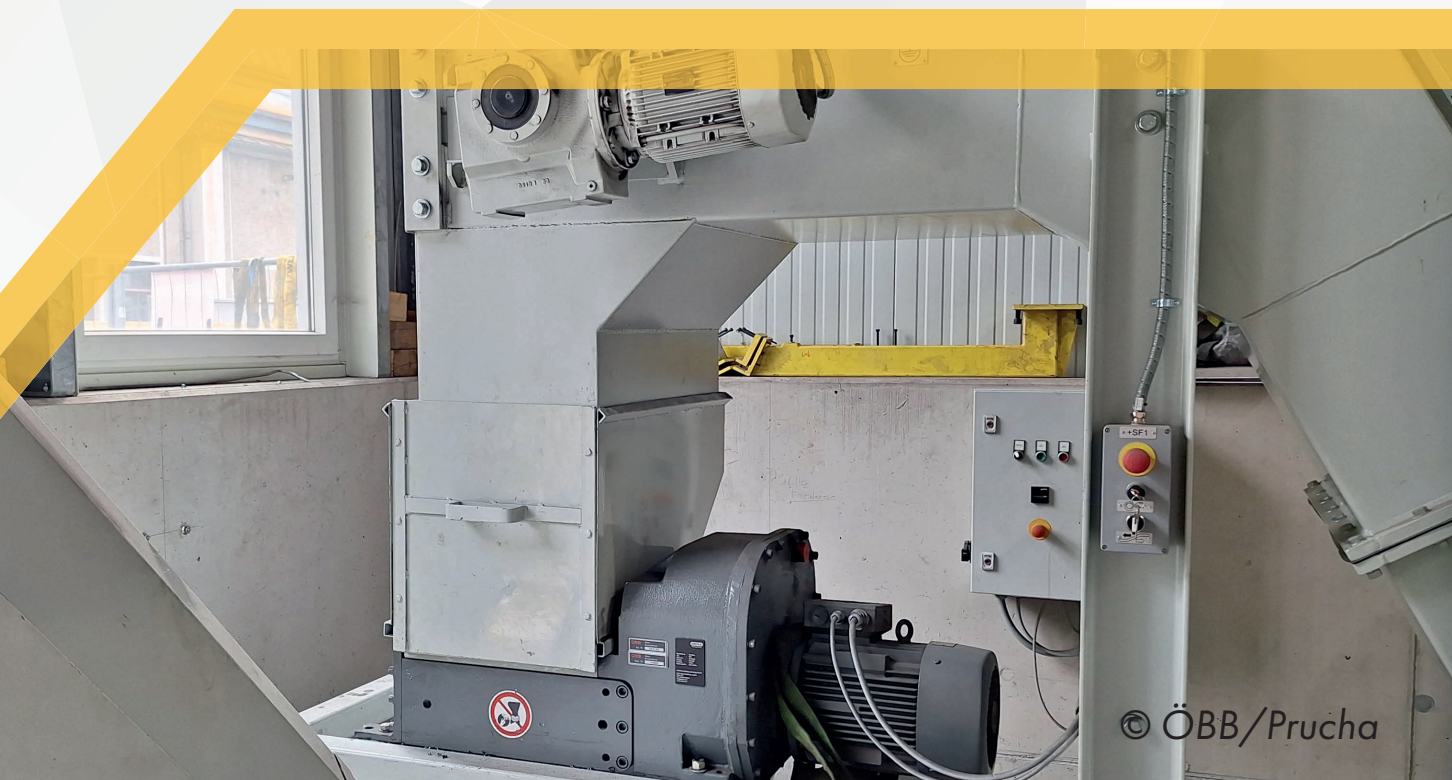
We were looking for a compact and robust shredder to crush steel swarf that could be integrated into our existing plant control system. The UNTHA S25 met all these requirements.

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» MATERIAL
Metal swarf

» SHREDDER
S25

» THROUGHPUT
100–200 kg/h





CUSTOMER

ÖBB-Technische Services GmbH is responsible for the management of rail vehicles throughout Europe: maintenance, modernisation, assembling, engineering, new construction and refurbishment of vehicle components as well as the development of testing and diagnostic equipment.

APPLICATION

During the maintenance and servicing of rail vehicles and their components, the ÖBB-Technische Services GmbH in Linz/Austria generate around 23 tonnes of steel chips every year – for example, during the mechanical processing of locomotive wheel sets. The company was looking for a suitable shredder to reduce the volume of these steel chips and to be able to transport them in a space-saving manner and recycle them in a meaningful way.

SHREDDING SOLUTION

The S25 is UNTHA's smallest shredder – a compact 2-shaft shredder for reducing the

volume of materials such as metal, plastic, biological waste, paper and cardboard. ÖBB-Technische Services GmbH uses this shredder to shred steel swarf measuring max. 500 x 30 x 1 mm, which comes from a lathe. The swarf is fed into the shredder's cutting chamber via a discharge chute. The material is automatically drawn in by the cutting unit, which means that the shredder does not require a feeding system. The cutting principle of the UNTHA rotor scissors ensures that the material is shredded efficiently. The S25 is driven by an electronic direct drive. If foreign objects enter the cutting chamber, the motor is automatically stopped to prevent damage. Thanks to the slow-speed drive, the shredder is particularly energy-efficient and produces only low dust and noise emissions. The volume of the original material is reduced by up to 90 %, which means it can be stored and transported in a space-saving manner. The UNTHA S25 was integrated into the existing control system to ensure synchronised operation with the lathe and discharge conveyor.

REQUIREMENTS

- » Compact design
- » Robust cutting mechanism
- » Throughput: up to 200 kg/h
- » Integration into the plant control system

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The S25 from UNTHA is a space-saving, high-performance shredder that automatically shreds steel swarf as it arises.

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– Benno Wakolbinger
Plant Management at ÖBB-
Technische Services GmbH