

EFFICIENT UPCYCLING WITH THE UNTHA RS60

LISA TECH a.s.

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» MATERIAL
Plastics, Tetra Packs, Films

» SHREDDER
RS60

» THROUGHPUT
1,5 t/h





CUSTOMER

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APPLICATION

The company was looking for a shredder that could be optimally integrated into a recycling plant that processes plastic waste and Tetra Packs. The aim is to shred waste to a homogeneous output material, to separate individual material flows from each other and then to process them into boards.

SHREDDING SOLUTION

Ultimately, the company chose the 4-shaft shredder UNTHA RS60. This slow-rotating shredder is the first machine in the recycling plant and can shred up to 1.5 tonnes of material per hour. The key component here is the cutting unit, which was customised to meet the customer's requirements. It ensures automatic material feed and, in conjunction with the 30 mm perforated screen, shreds it to a particle size of approx. 25 mm. The shredder has a quick-change screen system that allows for fast screen replacement, and an automatic central lubrication system. In addition, a special hopper was installed, through which the shredder is fed by means of a conveyor belt. A hydraulic pusher ensures that bulky material is optimally drawn in. The shredder has also been integrated into the plant control system: it starts automatically when the material passes a light barrier, and the feed conveyor belt is stopped when a defined filling level is reached to ensure optimal shredding.

REQUIREMENTS

- » Throughput: 1.5 t/h
- » Efficient size reduction
- » Granulate size approx. 25 mm
- » Integration into the overall system

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The RS60 fits perfectly into the plant and is very user-friendly thanks to the pusher, central lubrication system and quick screen change system.

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– Ing. Martin Klepáč
CEO at LISA TECH a.s.

