

UNTHA

shredding technology

The reliable brand!

RPLAST
Kunststoffaufbereitungs- und Handels-GmbH

PLASTIC RECYCLING WITH UNTHA RS100

R.PLAST Kunststoffaufbereitungs- und Handels-GmbH

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UNTHA carried out test runs with the RS100 on our materials and the results were phenomenal. It quickly became clear to us that this was the right shredder for us. We now have two UNTHA RS100 machines in operation at the beginning of our recycling process.

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» MATERIAL
PE, PP bales, plastics

» SHREDDER
RS100 x 2

» THROUGHPUT
Up to 2 t/h





CUSTOMER

R.PLAST is a recycling and trading company for primary and secondary thermoplastics. For 35 years, the company has been ensuring that production residues from the plastic manufacturing and processing industry are recycled into high-quality ground material, regranulates and compounds.

APPLICATION

Due to their composition, PE and PP bales and solid plastics can be very challenging. Not every shredder can handle them. R.Plust was therefore looking for a shredding solution that could quickly and efficiently shred particularly tear-resistant and robust materials so that they could then be processed in extruders. It should also be possible to integrate the new shredders into the existing machine peripherals.

SHREDDING SOLUTION

R.Plust opted for the RS100 from UNTHA after an extensive material test. This 4-shaft shredder has a cutting system – ‘rotor scissors’ – that uses a cutting principle to shred even particularly tear-resistant materials with ease and is resistant to foreign objects. An optional feed system ensures that even bales and rolls of material can be optimally grasped and shredded by the cutting unit. The UNTHA RS100 can be operated with or without a perforated screen, depending on the requirements for the output material. Perforated screens can also be added or exchanged at a later date. At R.Plust, the two RS100 machines are used as primary shredders in multi-shift operation. The output material is processed into granulate in downstream extruders, which is then reprocessed in injection moulding plants and the automotive industry.

REQUIREMENTS

- » Cutting system – ‘rotor scissors’
- » Efficient pre-shredding
- » Adaptation to different materials
- » Intensive continuous operation

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The RS100 can be operated with or without a perforated screen. We can flexibly customise the grinder depending on the material and requirements, and always achieve a perfect result.

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– Rolf Treutlein
Managing Director & Shareholder R.PLAST
Kunststoffaufbereitungs- und Handels-GmbH