



**TRANSFORMING MATERIALS INTO VALUE**

## Size Reduction Technologies ♦ In



The **Rotorshredder (RS)** crushes, untangles and disaggregates materials.

With custom configuration, the **Rotorshredder** can exert intense stress on a wide variety of input material through a combination of impact, punch and shear forces.

Other following special features:

- Particle sizes are reduced in a targeted manner
- Composite materials are separated
- Hard and brittle materials undergo intense size reduction
- Metals are separated and cleaned
- Entangled materials are liberated



The **Rotor Impact Mill (RPMV)** is a high performance, vertical-shaft crusher designed for the recycling industry.

The unique impeller rotor, combined with the toothed anvil ring, results in intensive stressing of the input material.

Metallic material are shaped are cleaned and shaped into balls, hence earning the name “ the ball shaper”.

Other features include:

- Composite materials are selectively crushed and separated
- Hard and brittle materials undergo intense size reduction
- Entangled materials are liberated



# Compacting ♦ Shredding ♦ Shearing



**Pre Shredder (VSR)** : The pre-shredder is a low-speed, high torque, twin-shaft shredder. The machine is suitable for the pre-shredding of bulky or large volume material.

**Rotary Shear (VR)**: The rotary shear is a low-speed, high torque, twin-shaft shredder. The machine is suitable for the shredding of bulky material or ductile input material using cutting tools. It also reduces high-volume input materials and items with a large unit weight.



**Impact Crusher and Impact Mill (PB/PM)**: These units are a universal and economical solution. Both the impact crusher and impact mill achieve a very high crushing ratio with a constant grain-size curve for a broad range of material. The units have a very large feed opening relative to their size which enables optimum utilization of the crushing chamber during the process sequence and prevents clogging.

**Granulator (NG)**: The granulator is a high-speed, single-shaft machine. The unit is suitable for the secondary treatment of ductile and brittle material. The internal screening system produces the desired grain sized output.

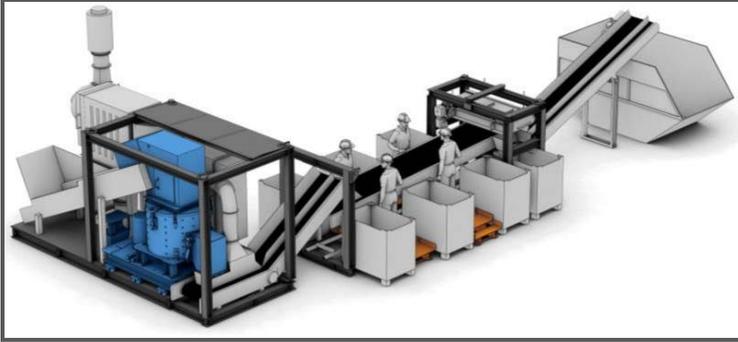


**BHS**  
SONTHOFEN

Wire / Cables ♦ ASR ♦ Tires ♦ IBA ♦ Metals ♦ Slag / Dross ♦ EScrap ♦ Glass ♦ RDF

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## SPECIALITY MACHINES



The **Eco Impact System** is one of the most versatile and flexible portable impacting systems on the market. The heart of the system is the **Type RS-1109 Rotorshredder**. While the unit is compact in size, the **RS-1109** is built to the same high standards as our larger **Rotorshredders**.



**BioGrinder (RBG)**: This machine produces intensive processing for biomass material. The unique design crushes and mashes the inputted material by impact and shear forces. The result is an accelerated gas yield and overall more stabilized process.

## COMPLETE TURN-KEY SYSTEMS

The Recycling Division of BHS-Sonthofen Inc. based in Charlotte, NC along with the Filtration and Mixing Division are ready to support your requirements for Metal Slag to Tires to EScrap to Wires/Cables, just to name a few. For an upgrade of an existing line to a complete turn-key greenfield system, we have the knowledge and experience. We can also do full scale testing at our pilot plant.



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