



## Metal detectors prevent damage to recycling machines



**Starlinger**

**Starlinger & Co.  
Gesellschaft m.b.H.  
(Austria)**

**Product:**

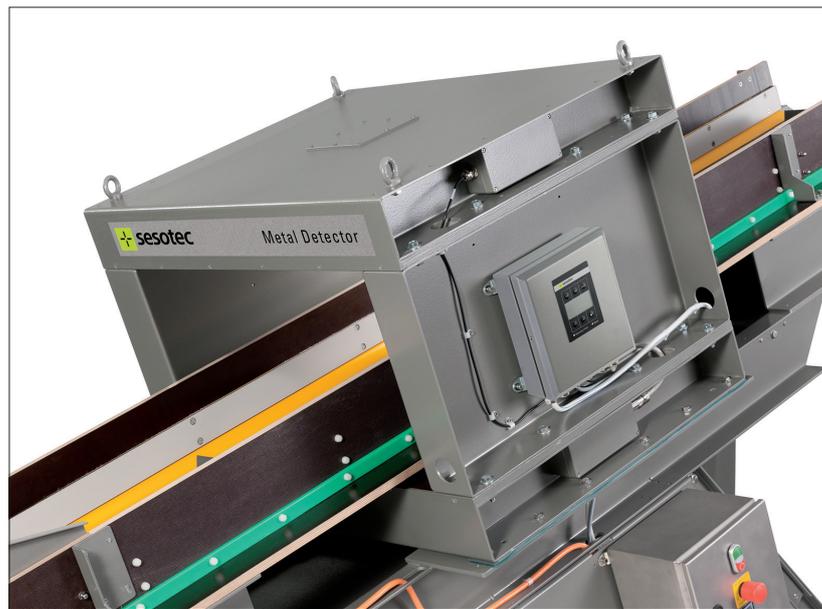
DLS

### **Focus on efficiency, profitability, and the sustainability of recycling processes**

Austrian company Starlinger GmbH is a global market leader in the field of machinery and process technology for woven plastic sacks. Since 1987 the company has manufactured and supplied recycling lines for plastics, and in 2002 established the "recycling technology" division. This division includes innovative machine solutions for the efficient recycling of a wide range of plastics including PE, PP, PA, PS, PET, and others. Starlinger employs new recycling technologies and a well proven and established machinery concept and since the beginning this concept has included metal detectors from Sesotec GmbH.

Plastic shredding is the first step in the recycling

process and at this stage since metal contamination can cause damage to downstream modules reliable metal detection is therefore indispensable. Consistent metal separation prior to shredding reduces malfunctions and increases the profitability of the recycling lines and for this purpose Sesotec DLS type detectors are used and are mounted over the conveyor system prior to the shredder.



DLS

DLS detectors will detect magnetic and non-magnetic contaminants even if they are embedded in the product and by removing contamination prior to the process reduce costs due to machine damage and production downtime, guarantee product quality, and protect against customer complaints. DLS metal detectors can offer a rapid return on investment.

DLS metal detectors offer many advantages: They prevent metals from reaching cutting machines and thus avoid wear and broken cutting tools. They reduce downtimes and maintenance costs, they improve the quality and value of the cut material, they reduce

malfunctions and off-times in downstream processing machines, and they minimise quality defects and reject rates in recycled plastic materials.

Andreas Pechhacker, technical manager of Starlinger "recycling technology" is very satisfied with the result: "Starlinger has used Sesotec metal detectors for several years. The systems are highly robust, offer flexible installation capability, and operate with outstanding reliability. Return on investment is ensured in a very short time because the blades of the agglomerator or single shaft cutter and downstream extruder screws are protected. Expensive repairs are a thing of the past. Sesotec metal detectors help us reach our objective of ecological and economic efficiency and sustainability – from the raw material to the woven sack, and back to the recycled material again."

#### **Sesotec - an overview**

The Sesotec group is one of the leading manufacturers of machines and systems for contaminant detection and material sorting. Product sales primarily focus on the food, plastics, and recycling industries. Sesotec's global presence includes subsidiaries in Great Britain, Singapore, China, USA, France, Italy (2), India, Canada, Thailand, a representative office in Turkey, and more than 60 partners all over the world.

[www.sesotec.com](http://www.sesotec.com)