



Plastics

## Metal detector protects Wanner granulators from damage



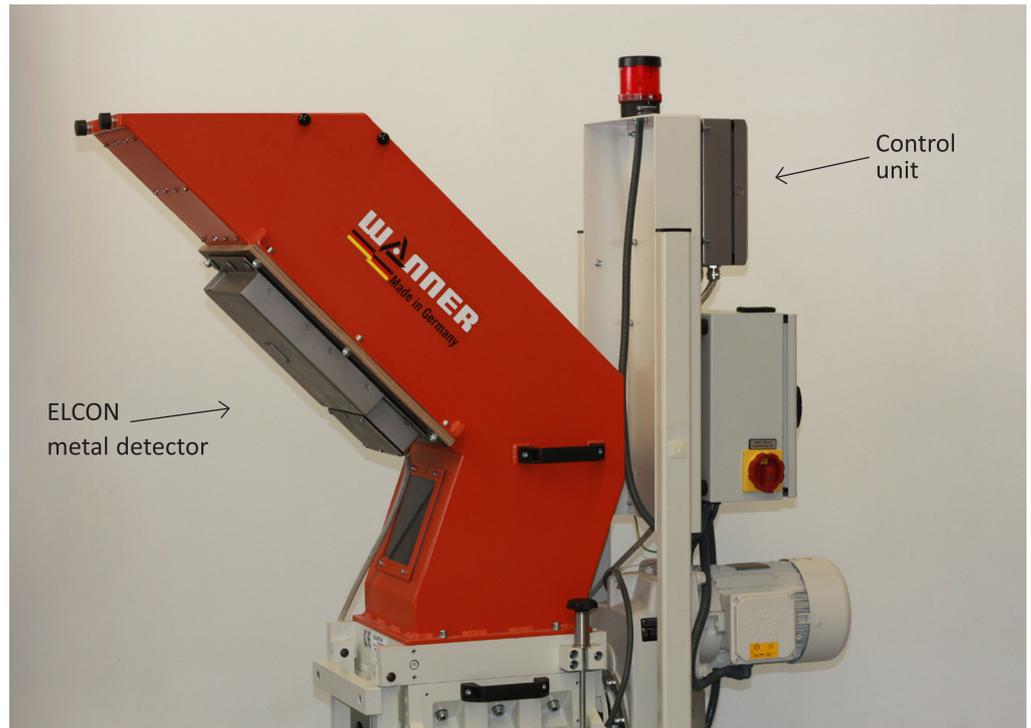
Wanner Technik GmbH  
(Germany)  
Product: ELCON

### ELCON detects all metal impurities, even if they are enclosed in the sprue materials.

Wanner's granulators are used in plastic recycling to granulate sprues and defective parts coming from the production of injection molded, blow molded or extruded thermoplastic products.

The machines from the Xtra series have hardened cutting tools made of high quality steel. This guarantees a long service life even when processing abrasive plastic materials.

Metal impurities in sprues can nevertheless cause damage to the cutting chamber. In order to reduce impurities and thereby costs, Wanner was looking for a metal detection solution for the inhouse recycling of plastic sprues. The metal detector should be especially suitable for the Xtra series and easy to sell for Wanner's sales network.



Metal detector ELCON from Sesotec installed below the material chute of the Xtra granulator from Wanner.

### Cutting unit safe protected

Wanner opted for the plate type metal detector ELCON 250 from Sesotec GmbH, since a successful cooperation between the two companies exists already for a long time. With this metal detector are the cutting tools of the granulator safely protected against damage because ELCON detects all magnetic and non-magnetic metal impurities before even touching the cutting chamber. The used half-wave technique stops the crushing tool when metal detection occur and thus prevents the introduction of metallic impurities into the further manufacturing process. In addition, false rejects caused by vibrations in the crushing of brittle plastic materials and hard sprues are minimised.

Carsten Weidel, Regional Sales Manager at Wanner: „What we particularly appreciate about Sesotec is their support on site and the precise implementation of our specifications from Sesotec’s development department. Our customers who use Xtra granulators benefit from the metal detection solution by reducing costs related to machine repair or production stops.“

#### Sesotec GmbH

Regener Straße 130  
D-94513 Schönberg  
Tel.: +49 8554 308 0  
Fax: +49 8554 308 2606  
Mail: [info@sesotec.com](mailto:info@sesotec.com)

#### 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.

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



Metal detection systems



X-ray inspection systems



Sorting systems



Magnet systems