

Last Chance Check Point

**Optimum mould and machinery protection
for injection moulding, extrusion and blow moulding**

- Metal detectors
- Metal separators
- Magnetic separators



Increased production reliability and maximum added value

For over thirty years Sesotec has developed and manufactured metal detection equipment for the plastics industry. Today, Sesotec has the widest product range of magnetic separation systems, metal detectors, and metal separators available for use in the production of high-quality plastic components.

Every Sesotec system is precisely matched to the specific requirements of the relevant production process. Sesotec has standard solutions for each stage of production. From silo filling, conveying, drying and crystallisation systems, sprue grinders and central granulators, dosing and feeding, right through to the inlet of the processing machinery ("Last Chance Check Point") there is an Sesotec solution. Systems can be individually adapted to the application needs and includes the manufacture and evaluation of prototypes through to series production. Sesotec magnetic systems, metal detectors, and metal separators are used throughout almost every type of production industry including automotive, medical technology, electronics, telecommunications, food, household appliances, pharmaceutical, and cosmetics. For many of the world's most well known companies the Sesotec brand represents quality, precision, intelligence, and customer focus.

The company is headquartered in Schönberg, Germany, where the principal manufacturing and development is done but operates worldwide. We have a network of distributors, agents and industry partners in over 60 countries and our own subsidiaries and representative offices in Asia, France, North America, Great Britain, India, and Turkey.

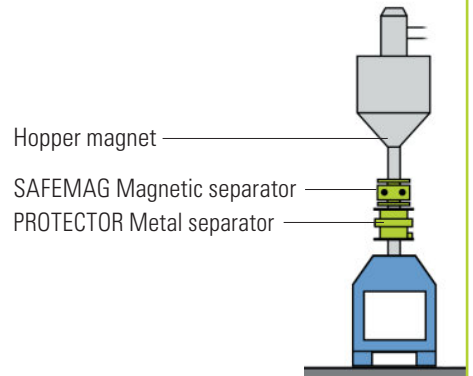
secure



Metal-free injection moulding, extrusion, and blow moulding

Sesotec magnets, metal detectors, and metal separators installed directly on the material inlet of plant machinery detect and remove metal from the slowly descending feed column. During the whole feed process metal in the free-falling granulate is removed. Sesotec systems provide maximum machine protection. The compact design of Sesotec systems allows conveying, mixing, and dosing units to be mounted directly without the need for additional equipment.

Injection moulding



Sesotec metal separators and magnets protect injection moulding machines against damage caused by metal in the granulate, even if they are enclosed within the product. Moulds, hot runners, and non-return valves are also protected against damage.



Hopper magnet for the separation of coarse metal contaminations

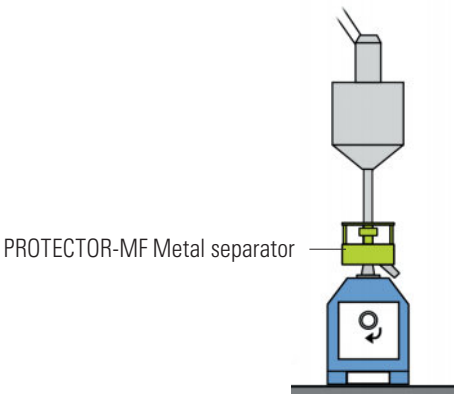


SAFEMAG with easily accessible and cleanable magnet rods



High sensitivity PROTECTOR for lower throughput applications

Single-screw extrusion

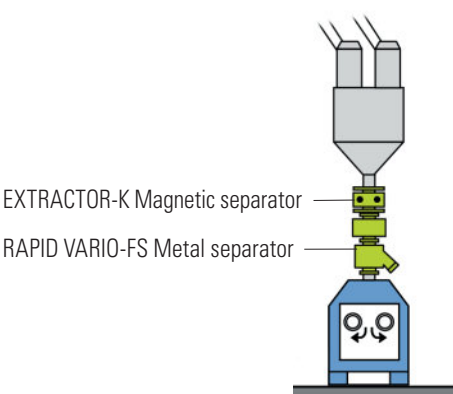


Sesotec metal separators provide protection against metal in the granulate, whether enclosed or as free contamination. Machine downtimes and production losses, caused by blocked melt filters and extrusion moulds is prevented.



High throughput PROTECTOR-MF

Twin screw extrusion



Even small metal particles can lead to blocked filters and extrusion moulds, resulting in immediate production stoppages and time-consuming maintenance. Sesotec magnets and metal separators prevent these problems and increase productivity.

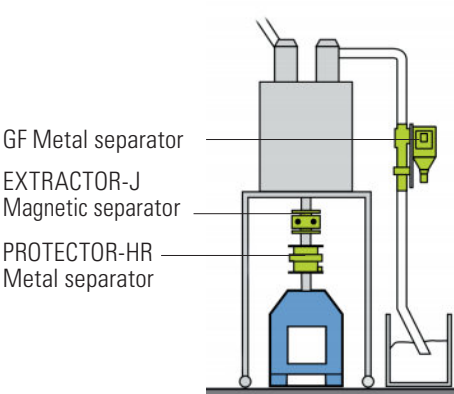


EXTRACTOR-K designed for combination with a metal separator



High sensitivity RAPID VARIO-FS

Blow moulding



Before blow moulding the granulate passes through Sesotec magnets and metal separators. Very small metal contamination is detected and separated protecting moulds and machinery from damage.



EXTRACTOR-J used with Jacob pipework and cyclone units



High performance PROTECTOR PROFESSIONAL with extremely high scanning sensitivity



GF for metal removal in vacuum and pressure conveying applications

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Sesotec system world



Detecting and separating contaminants:

Removing contaminants:

- metals
- plastics
- glass
- ceramics, porcelain, stones
- and many others

Removing from (good material):

- bulk materials
- liquids and pastes
- individually packaged product
- packed and loose items

Product types:

- end-products (food, textiles, plastics etc.)
- industrial raw materials
- recycled materials

can be integrated into all types of conveyor systems



Detecting and separating sub-standard products:

Qualitative defects:

- incorrect colour
- agglomerations
- breakages
- air inclusions in packs
- incorrect positioning / distribution

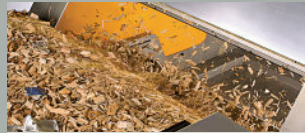
Quantitative defects:

- incorrect weight
- count errors (incorrect number of items in package)

Product types:

- end-products (food, textiles, plastics etc.)
- industrial raw materials
- recycling materials

can be integrated into all types of conveyor systems



Sorting mixed materials into single fractions:

Types of material:

- glass
- plastics
- metals
- and many others

Delivery flows:

- bulk materials
- individually packaged product

can be integrated into:

- conveying systems
- bulk material flows

Operating Companies:



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