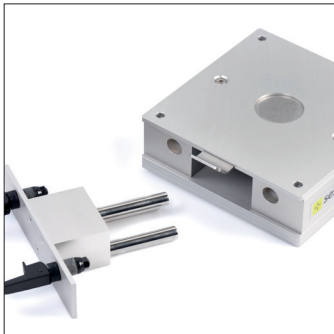




**Optimal mould and
machine protection for
injection moulding machines,
extruders,
blow moulding machines**



Metal separation with SAFEMAG PROTECTOR

- prevents mould damage
- reduces reject rates
- increases machine running times
- minimises the loss of good material



Magnet separators



Environmental awareness, but also economic considerations, have resulted in the use of industry-quality granulate (regenerated material, ground material) for various products. With many articles a slight loss of properties does not prevent the use of such materials. In a few cases a slight contamination with foreign objects such as metal particles makes processing more difficult.

Depending on the production system this may cause unwanted machine downtimes. The apparent economic advantage thus is quickly lost if the resulting downtimes cannot be avoided. The most obvious solution of using metal separators results in immediate success.

Magnet separators primarily are used for pre-separation in cases of increased contamination with ferrous metals. Magnet separators that are installed upstream of inductive metal separators remove ferrous metals and thus reduce the load on inductive separation. The advantage of such pre-separation is a reduced loss of good material.

The extremely high forces of the Neodymium magnet material even allow the separation of iron powder and of slightly magnetised stainless steel particles from the product flow.

SAFEMAG

Minimum installation height when limited space is available

**Unrivalled:
Extremely low height
of 60 mm**
Standard nominal
widths
40 mm, 50 mm, 60 mm



EXTRACTOR

For larger nominal widths and grain sizes

Height 165 mm
Standard nominal
widths
40 mm to 120 mm



Inductive metal separators

SAFEMAG and PROTECTOR in a team

No metal will pass
this combination

- Optimal combination for separating magnetic and non-magnetic metal contaminations
- Excellent accessibility allows easy and efficient cleaning in no time at all (EASY CLEAN)
- Outstanding ease of integration in existing systems by way of adaptor plates (inlet and outlet)

The **SAFEMAG** (or EXTRACTOR) magnet separator can be combined with inductive metal separators, e.g. PROTECTOR.

The combination of these two systems is the economically and technically most efficient solution.

The **PROTECTOR metal separator** removes magnetic and non-magnetic metal particles (steel, stainless steel, aluminium, ...) from standing or slow-moving bulk material columns.



Regenerated plastic material (industry ware). Metal contaminations that are embedded in a granulate grain may cause machine downtimes. Magnet separators and inductive metal separators protect the processing machines, prevent malfunctions, and thus increase process continuity.

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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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**Choose the Original
Choose Success!**