

OM

Overband magnet (permanent-magnetic)

- Separates ferromagnetic parts from bulk materials
- Safety guards at both sides prevent personal injuries and damage of the discharge belt
- Complete system solution incl. motor "plug & play"
- Protection of shredders, hammer mills and other equipment



Example

- The system is installed above the conveyor belt
- The magnet component is protected by a wear resistant stainless steel cover
- Separated ferrous particles are continuously removed by the recirculating belt
- Quick belt adjustment
- Powerful permanent magnet made of fully stabilised strontium ferrite magnet material
- Self-aligning belt run due to crowned pulleys
- Discharge belt as standard driven by a shaft-mounted gear motor
- Sturdy design

Performance characteristics:

Overband magnets are provided with a strong permanent ferrite magnet that creates a deep and powerful magnetic flux field. According to standard the system is driven by a shaft mounted gear motor.

A wear-resistant synthetic rubber belt with vulcanized cleats cleans continually the working face of the magnet. After the attracted parts have left the effective magnetic range they fall off and can be collected or removed. The belt run is self-adjusting by the crowned shape of the pulleys.

Application:

To protect crushers, hammer mills and other recycling machinery from damage caused by tramp iron parts the overband magnets are a often used separation equipment. For a thorough removal of ferrous contamination the magnet is placed above the flat or trough conveyor either across or inline. Overband magnets are self cleaning separation systems and can therefore be used for continuous product flows. The magnetic pack is protected by a wear-resistant stainless steel cover. All OM are equipped with belt guards on both sides to prevent belt damage due to entrapment of steel between magnet and belt. Furthermore a electric drive and eye bolts are to be supplied. As a option S+S can also offer a control unit or hydraulic driven systems for mobile plants.

For the inspection of:

Bulk materials; dry, powdery, fine-grained (grain size < 6 mm), coarse-grained (grain size > 6 mm), flaky, fibrous, crumbly, moist

For application in:

- Plastics industry
- Chemical industry
- Textile industry
- Wood industry
- Recycling industry
- Packaging industry
- Other industry sectors

For installation in:

- Conveyor belt lines

