

## 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
- 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
- Powerful permanent magnet made of fully stabilized strontium ferrite magnet material
- Quick belt adjustment
- Self-aligning belt run due to crowned pulleys
- Discharge belt as standard driven by a shaft-mounted gear motor
- Sturdy design



# OM

## Overband Magnet

(permanent magnetic)

### 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.

### For installation in:

- Conveyor belt lines

### Application:

To protect crushers, hammer mills and other recycling machinery from damage caused by tramp iron parts the overband magnets are an 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, an electric drive and eye bolts are to be supplied. As an option, Premium Magnets can also offer a control unit or hydraulic driven systems for mobile plants.

### For application in:

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

### For the inspection of:

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

