

## Head roller magnet

- Separation of medium-sized and coarse ferrous contaminants
- Delivered ready for installation
- Automatic cleaning
- The permanent-magnetic head roller replaces the drive pulley of conveyors
- As standard the head rollers are equipped with ferrite or neodymium magnet material
- Customer specific shaft design
- Optimal addition for overband magnet systems

For the protection of machinery and production facilities



## Head roller magnet

### Performance characteristics:

According to standard the head rollers are equipped with ferrite or neodymium magnet material. The energy product of neodymium types is more than ten times higher to remove also smaller ferrous particles. With the installation of head rollers the use of conveyor belts with cleats is highly recommended.

All types of head roller magnets can be supplied with parallel, crowned or rubber coated face.

### Application:

Head roller magnets are designed to replace the drive pulley at the discharge end of belt conveyors. Tramp iron and smaller pieces of ferrous contaminations that were not attracted by using either an overband or plate magnet can be removed with such systems. The operation sequence explains the way of separating iron particles from the flow of material.

### 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
- Food industry
- Chemical industry
- Textile industry
- Wood industry
- Recycling industry
- Packaging industry
- Other industry sectors

