

## Magnetic Pulleys

Magnetic Pulley operates as head pulley on Belt Conveyors. These low cost, self-cleaning magnets remove tramp iron and purify materials conveyed in bulk forms. When Material carried on conveyor enters the magnetic field surrounding the Magnetic Pulley, pieces of ferrous metal in the material are attached to the Belt. They are held magnetically against the belt until carried to the underside of the Pulley, where the Belts take them away from the magnetic field to be discharged. Non-magnetic material falls away from the Pulley in a normal trajectory. Separation is automatic and continuous.



The Pulleys are used to protect processing machinery from damaging tramp metal, eliminate ferrous contaminants from products, concentrate magnetic minerals in mining ores and remove steel from recyclable material. In many applications, it's possible to replace an existing head Pulley with a Magnetic Pulley, on a size to size basis.

### Application:

- To concentrate paramagnetic minerals such as Hematite, Ilmenite, Chromate, kimberlite, Staturolite, Monazite, Zircon and other feebly magnetic material.
- Glass raw material cleaning-Extremely high purity quartz cleaning.
- Graphite Upgrading.
- Ceramic raw material cleaning.
- Refractory raw materials beneficiation.
- Calcined / deadburned products upgrading.
- Coal cleaning / desulphurization.
- Chemical products upgrading.
- Diamond ore beneficiation / trace mineral production.
- Andalusite and pyrophyllite beneficiation.
- Bauxite cleaning.
- Beneficiation of beach sand / magnetite / wollastonite.

- In recovery of metal in iron ores (siderite . limonite)
- Processing of casting sands(recovery of chromate.)