

Magnetic Separators

Magnetic Separators are used in aggregate & mining industries, food processing, textile industries, pharmaceutical and chemical industries as well as in wood processing and tire recycling.

Data required from the customer for magnetic separator

Conveyor width, Conveyor speed, Conveying material, Conveyor speed per second, Density of the material, Burden depth.

Liquid Line Magnetic Separators



Electro Flux Pipeline Magnet (Liquid Line Separator) is designed to attract fine ferrous particles such as rust from fluid flows in a pipeline with no appreciable pressure drop or reduction in flow rates.

The material used for construction is the 304 or 316 stainless steel; the unit is simply connected to the existing pipeline via flanged or threaded ends. Liquid Traps may be installed horizontally, vertically, or at an angle that won't affect their magnetic efficiency.

Magnetic Grill filters the flow and extracts the unwanted ferrous metal. Simple and easy access is possible using the quick release lid.

Features

- Easily installed, and can be cleaned simply and efficiently
- Manufactured in 304 or 316 stainless steel according to food industry standards
- Highly effective performance due to powerful rare earth magnets - 11,500 gauss

They can be specially manufactured to your dimensions and easy-clean versions are also available.

Magnetic Drum Separators



- Ferrite magnetic drum separator
- High power rare earth magnetic drum separator

Electro Flux is a magnetic drum separator manufacturer and magnetic drum separator supplier.

Magnetic drum separators offer the highest level of magnetic strength and are appropriate for many different applications, including scrap processing, auto shredding, mining, aggregate, or for the removal of any large volumes of metal.

The concept of Magnetic Drum Separator is very simple - material is fed into a rotating shell revolving around a stationary magnet. Ferrous metal remains on the shell surface until it passes through the magnetic field - separating it from the normal trajectory of the nonferrous material.

The design of the Drum Separator features a continuously self-cleaning magnet, which can be provided as just the drum or as a complete assembly with the housing & drive included.

Magnetic Floor Sweeper



Electro Flux is a magnetic floor sweeper manufacturer and magnetic floor sweeper supplier.

These sweepers are perfect for clearing metal debris from walkways, garages, and yards. They reduce the possibility of costly flat tires or the chance of personal injury and decrease the time needed to clean up scattered ferrous metal material.

Magnetic Head Pulleys



Electro Flux is a magnetic head pulley manufacturer and magnetic head pulley supplier.

We offer two varieties:

- Electro Magnetic Head Pulley
- Permanent Magnetic Head Pulley

(i) Ferrite Magnetic Pulley, (ii) High Power Rare Earth Magnetic Pulley.

Electro Flux Magnetic Pulley widely used in iron ore separation, slag processing, mineral beneficiation, by regulating the field strength of the magnet. Electro Flux Magnetic Pulley ranges from 110VDC & 220 VDC. It provides continuous protection against tramp iron contamination of both large and fine iron particles. As the product passes over the head pulley, a non-ferrous material is discharged in a normal trajectory. We can get the various grades of recovery from the material.

Metal recovery and separation of screws, nails, fasteners, blanks, wire, chain, tools and various ferrous objects from your product flow occur seamlessly.

Applications

Tramp metal removal from conveyor systems, purification, and concentration of ores, chemicals and granular products.

Features

- Develops especially powerful magnetic field at the center of the belt, where burden is deepest
- No DC power supply required
- All welded body and face construction — no bolts or screws to work loose
- Easy to install, permanent magnetic pulleys require no maintenance