

SUSPENDED PLATE MAGNETS

Suspended Plate Magnets are intended for recycling applications where the volume of metal contamination is low and only occasional cleaning will be required.

Designed to be suspended above open conveyors to remove ferrous objects and fines found in grains, animal feeds, raw and processed food products, dry chemicals, and other particulates. In recycling applications, they can be used to capture tramp iron from recycled material before and after it goes through a grinder or shredder.



Specifications

General material:

All mild steel with structural steel support frame. Heavy 302/304 stainless steel magnet face.

Magnet material:

High-density Ceramic permanent magnet with 0.2kilo of pull at 230mm.

Magnet design:

Massive bi-polar, deep penetrating magnetic field.

Construction:

Magnet welded into integral unit. Support frame sub assembly weldments. Bolt-together field installation.

Contaminant removal:

Tramp iron such as nuts, bolts, wire, chain, hammers, crowbars, etc. from free-flowing, granular, clumping, or bridging-type materials.

Method of cleaning:

Manual, over conveyor belt or from side of belt, with optional sliding face-plate feature for easy cleaning.

Styles:

Can be furnished with or without support frame.

Uses:

To protect particulate handling equipment from damage and hazards of tramp iron. Usually mounted directly over conveyor belts and as close to product as possible for maximum metal removal.

- Pull ferrous tramp from flat-belt and trough style conveyors.
- Powerful Ceramic magnet reaches deep into conveyed material, optional Rare Earth models available.
- Sturdy free-standing bolt-together support frame offers one convenient mounting option.
- Optional stripper plate slides out for fast, easy, out-of-the-way cleaning.

