

GRAVITY FEED APPLICATIONS - MAGNETS OUTSIDE OF THE PRODUCT STREAM



PLATE MAGNETS

Plate Magnets are designed to capture ferrous metal in conveyed or gravity flow applications to improve product purity and protect processing equipment from damage. They are available in Ceramic or Rare Earth and EZ-Clean or Self-Clean designs to fit your strength & maintenance demands.

Above the Flow Applications: ■ ■

Flush Face (FF) and Single Product Layer Plate Magnets

Installed above the product flow, these powerful plate magnets have incredible reach-out to attract and capture ferrous metal as it passes underneath.

Below the Flow Applications: ■ ■

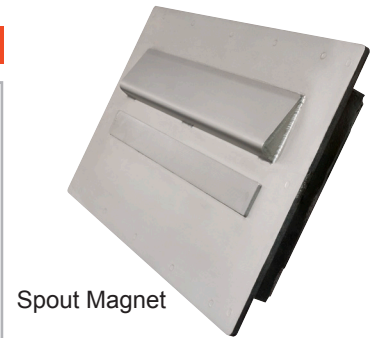
Exposed Pole (EP) and Spout Magnet (SM)

Since the product flows directly over the magnetic face, these plate magnets provide intimate contact with metal contaminants, while also reaching-out through the entire product burden. Both styles have design features to keep captured metal from washing off in the ensuing product stream.

Find Plate Magnets Online And Download Technical Sheets At...

<http://www.magnetics.com/tg/plates.asp>

Download Or Request Tech Sheet TG-01A



Spout Magnet



Self-Cleaning
Plate Magnet



Single Product Layer
Plate Magnet

HUMP MAGNETS (PLATE-IN-CHUTE SEPARATORS)

Hump Magnets, sometimes referred to as "Dog Leg" magnets, are ideal for high volume gravity flow applications. Hump Magnets take product flows from vertical to 45° angles where two extremely powerful spout style magnets reach in and capture ferrous metal before returning the product flow back to vertical.

IMI Hump Magnets can be engineered with chutes to fit directly into your processing lines. Customer specified inlet and outlet requirements can be accommodated using custom designed housings, transitions (round or rectangular), flanges and more.

EZ-Clean and Self-Cleaning Magnets are designed to simplify the cleaning process and to increase processing line efficiency. These cleaning options feature spout faced stripper pans that swing out of the product flow and away from the magnet to release collected metal. The EZ-Clean unit is operated manually by unclamping the magnet and pulling the assembly into the open position. The Self-Cleaning model operates on the same principle but uses either pneumatic cylinders or electric actuators to open and close the plate magnet.

- All stainless steel construction
- Ceramic or Rare Earth Magnets
- Features Leak resistant seals & DE-STA-CO clamps for a positive sealing
- EZ-Clean, Self-Cleaning (Air or Electric Actuated)
- Custom mounting flanges, inlets and outlets are available
- Abrasive resistant product contact surfaces

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Hump Magnet
(EZ-Clean Shown)



Single Leg
Hump Magnet
(Air-Actuated
Self-Clean Shown)