CONVEYOR LINE APPLICATIONS – MAGNETS OVER & UNDER THE BELT

KINDER K™
EXPERIENCE INNOVATION PRODUCTIVITY

PERMANENT & ELECTROMAGNET SUSPENDED OVERHEAD SEPARATORS

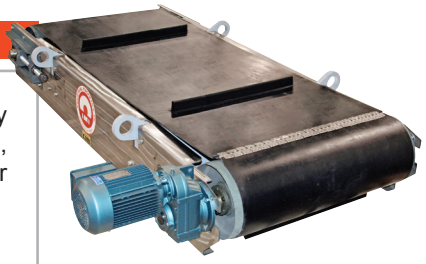
Suspended Magnets are designed for separation of ferrous metal from a variety of over-the-belt conveyor applications. Proven in industries such as Mining, Aggregate, Recycling, Tire Shredding, Foundry, Wood Chip, Pulp & Paper, Power Generation, Construction and Demolition.

- Protect vital processing equipment from ferrous metal damage
- Improve product purity and quality for high volume belt conveyed products
- Deep reaching magnetic circuits supply superior separation capabilities
- Use prior to a metal detector to achieve maximum separation
- Reclaims valuable ferrous metal
- Reduce product liability

Self-Cleaning Permanent Magnets (SMS) The SMS magnets offer optimum operating efficiency with a continuous cleaning belt to keep the magnet face free of collected metal. The powerful, deep reaching magnetic circuit pulls metal to the face of the magnet where the cleated belt can remove the metal off the end of the magnet and out of the product flow. The compact design of the SMS makes it ideal for use on portable size reduction equipment.

Suspended Electromagnets (SEMO) These powerful electromagnets are designed to deliver peak ferrous metal separation performance. The deep reaching magnetic field is ideal for applications that require increased suspension heights for the magnet or that have a deep product burden. Self-Cleaning upgrade packages are available.

Manual Clean Permanent Magnets (SPMC) These magnets are a good economical solution for applications that require a magnet for equipment protection, but don't encounter enough ferrous metal in their product flow to justify a self-cleaning magnet. Cleaning Options: Swiper Bar, Side Pull Slider in either Manual Pull or Crank.



Self-Cleaning Permanent Magnets

Manual Clean Electromagnets

Self-Cleaning Electromagnets

Manual Clean
SPMC Shown with
Side Pull Slider

EDDY CURRENT SEPARATORS

Eddy Current Separators are designed from the ground up to provide high recovery rates (97%+) and low operating costs. All of our units do a remarkable job on UBC (Beverage Can) recovery while the 12 and 16 pole units excel in any application where recovery of smaller particles is required such as glass clean up. Eddy Current Separators are ideal fora range of applications, including Material Recovery Facilities, C&D, Incineration, Auto shredding, Electronics Recycling and more.

- High grade Rare Earth magnets in the Flux Pump Rotor Design™
- Stainless steel sleeve on all rotors
- Variable speed motor for rotor and belt
- Carbon fiber shell minimizes ferrous burnout
- Internal motorized drive drum for more compact (low profile) design
- Urethane belt with corrugated sidewalls
- Take up screw adjustment for easy belt tensioning and tracking
- Removable side plates for easy access and maintenance
- Cantilever design for one piece belt change
- Heavy-duty fold channel construction with lift eyes for easy installation
- +/- 1% of out throws in your clean aluminum

Eddy Current Separator

INQUIP
BULK MATERIAL & DUST HANDLING
PRODUCT » DENSITY » FLOW

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