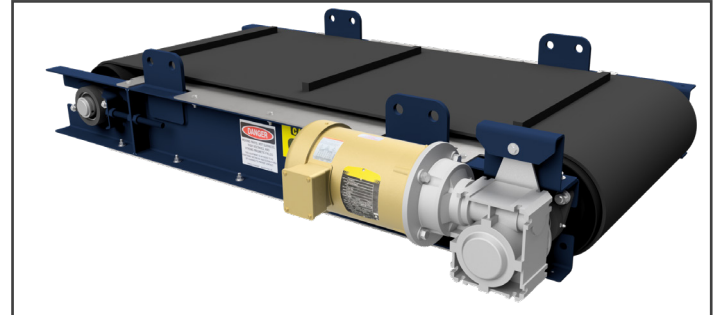


Overhead Self-Cleaning Magnets:

For Recycling Applications

Dings self-cleaning electro and permanent magnets are ideal for recovering valuable ferrous metal and improving the purity of recycled materials.



Self-Cleaning Overhead Electromagnets

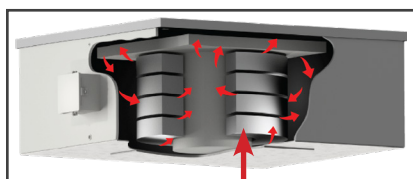
- ◇ Balanced magnetic circuit for maximum efficiency and equal distribution of length, width and depth of magnetic field.
- ◇ Stainless steel bottom and center wear plate provides extra protection in the main impact area
- ◇ IP56 AGMA Class II Motor
- ◇ Terminal connection box is NEMA 4 weather tight
- ◇ 9 different field strengths available

Self-Cleaning Overhead Permanent Magnets

- ◇ Unique construction - smaller, lighter magnet for a given strength than any other in the industry!
- ◇ Magnet housing filled with Ceramic VIII magnet material
- ◇ Non-magnetic stainless steel frame construction that prevents collection of ferrous metals
- ◇ IP56 AGMA Class II Motor
- ◇ 5 different field strengths available

Dings Electromagnetic Coils

- ◇ No insulation is needed with anodized aluminum straps—eliminating the major cause of coil failure (insulation breakdown)
- ◇ More magnetism and separating power - generated by extra turns
- ◇ Each turn is exposed to cooling oil - assuring a stronger, more efficient magnet
- ◇ Eliminates the need for external oil expansion pipes or tanks that require maintenance and can be damaged



Oil Flow =  Anodized Aluminum Strap



20-Year Warranty on Coil Burnout

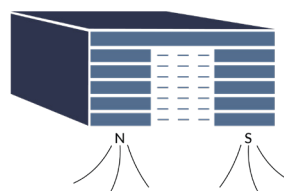
Dings DFC Design improves the overall performance of the magnet in 3 ways

- ◇ The magnetic field is stronger
- ◇ The magnetic field extends deeper
- ◇ The magnetic field pattern is more uniform



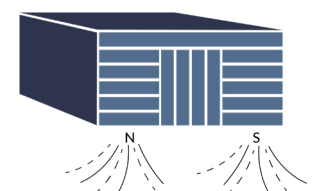
On Magnetism

Conventional Magnetic Circuit
With "filler" between the poles



--- Indicates flux leakage in airspace

Dings Magnetic Circuit
with blocking magnets between the poles



--- Indicates leakage converted to work force

Inline Mounting Position



* Showing material flow and separation

Note: Inline over the head pulley orientation produces the best magnet performance because the material becomes airborne liberating the tramp metal making it easier to separate. Inline orientation sometimes allows for a smaller magnet to be used as compared to crossbelt positioning.

Crossbelt Mounting Position

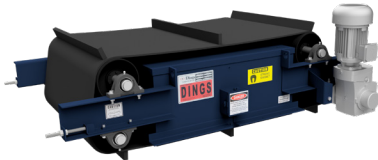


Note: Crossbelt orientation is commonly used when inline over the head pulley isn't feasible due to the process. Self-cleaning crossbelt magnets discharge tramp metal into a collection bin along side of the conveyor.

More Dings Company Magnetic Separation Equipment

MRF (Material Recovery Facility) Overhead Self-Cleaning Electromagnet

3" high cleats

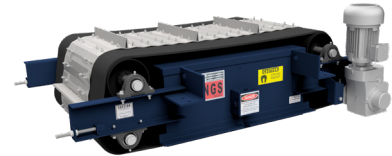


Magnetic Head Pulley Available in 3 different strength series

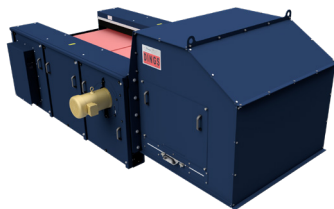


Severe Duty Overhead Self-Cleaning Electromagnet

Stainless steel pads and cleats to protect against damage caused by sharp metal



Eddy Current Separator Separate non-ferrous metal



Deep Draw Drum



Engineering Driven - Customer Service Focused

 **Dings**
CO.
magnetic group

Powerful Magnetic Products Since 1899

Dings Company Magnetic Group engineering and sales staff work together from our Milwaukee, WI factory to provide outstanding customer service from experts in magnetic separation. We listen to our customers to gain an understanding of their needs and apply our experience in their trade to provide magnetic separation equipment that is sized and positioned for the best possible performance in their specific application.