

## MRF (MATERIAL RECOVERY FACILITIES) OVERHEAD ELECTROMAGNET

*Dings MRF (Material Recovery Facilities) Overhead Electromagnet*



- ☆ **20 Year Warranty** on coil burnout
- ☆ 3" Vulcanized rubber cleats on self-cleaning belt
- ☆ Oversized self-aligning pillow block bearings
- ☆ One-way pressure relief valve
- ☆ Crown curved pulleys

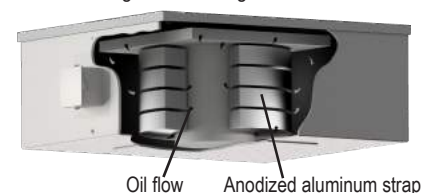
- Dings Co. Magnetic Group Overhead MRF (Material Recovery Facilities) Electromagnet features special 3 inch high vulcanized rubber cleats bonded to an endless multi-ply rubber belt plus a stainless-steel infeed deflector (crossbelt only) which prevents materials from becoming entrapped between the separator belt and magnet surface.
- Specifically designed to remove loose steel objects from recyclable material conveyed beneath it.
- Expansion of the high dielectric strength cooling oil takes place inside the magnet box. No external oil tank or additional plumbing is required. A pressure relief valve prevents moisture from entering the magnet box. The magnet is filled with cooling oil at the factory prior to shipment.
- Full stainless-steel bottom plate with extra stainless steel center wear plate in main impact area provides longer life.
- Balanced magnetic circuit for maximum efficiency and equal distribution of length, width and depth of magnetic circuit.

### Electromagnet Coils

Dings Electromagnet coils are wound with an anodized aluminum strap, an exclusive design that generates more magnetism than any other on the market! This design outlasts and outperforms "conventional" round wire (copper, bare or anodized aluminum) coils that can lead to burnouts.

- 20-Year Warranty on coil burnout
- No insulation needed - eliminating the major cause of coil failure (insulation breakdown)
- More magnetism and separating power - generated by extra turns
- Each turn is exposed to oil-cooling (ensuring a stronger, more efficient magnet)
- Eliminates the need for external oil expansion (less pipes or tanks that can easily be damaged)
- Exceeds Class "H" insulation rating

*Dings Electromagnetic Coil*



### Typical Applications

The Overhead MRF (Material Recovery Facilities) Self-Cleaning Electromagnet magnetically lifts steel objects out of the materials conveyed beneath it. Attracted steel is automatically cleaned off the separator by a belt that travels around it.

The MRF Design is typically used in applications such as: commingled recyclables at material recovery facilities (MRFs) to obtain separate material streams, presorted recyclables at intermediate processing facilities (IPFs) to ensure quality materials, refuse at mixed waste processing facilities to recover recyclable ferrous materials or organic materials at composting locations and shredded tires at tire recycling processing sites.

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● **Call Us For Expert Support of Dings Co. Magnetic Group Equipment - Regardless of its Age**

## ENGINEERING DRIVEN - CUSTOMER SERVICE FOCUS

### CUSTOMER FOCUSED SERVICES

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.

### HEAVY-DUTY CONSTRUCTION

Dings Company Magnetic Group has been providing recycling operations with high quality magnetic separators for over 120 years. Our reputation for robust magnetic separation equipment is respected in recycling applications where low maintenance, reliable operation is essential.

### REPLACEMENT PARTS

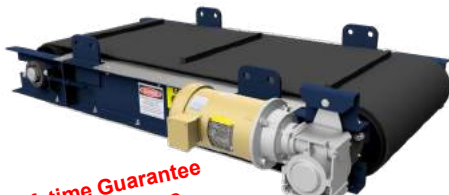
We offer replacement parts and spare parts for your magnetic separators. Our staff is available to assist in identifying parts needed. Many parts are currently in stock and available for same day shipment. Ask us about developing a spare parts list for your specific magnetic separators to prevent costly downtime.

### ON-SITE SUPPORT

Our factory sales staff and local representatives are available to provide on-site support. Expert advice regarding the positioning, suspension height and maintenance ensures that your magnetic separators are providing optimum performance.

## MORE RECYCLING MAGNETIC SEPARATION EQUIPMENT

Overhead Self-Cleaning Permanent Magnet



Lifetime Guarantee on Magnetims

Deep Draw Drum



Lifetime Guarantee on Magnetims

Eddy Current Separator - Eccentric Design



Powerful Rare Earth Magnets

SWMS (Solid Waste Management System) Overhead Self-Cleaning Electromagnet



20-Year Warranty on coil burnout

Severe-Duty Overhead Self-Cleaning Electromagnet



20-Year Warranty on coil burnout

Magnetic Head Pulley



Lifetime Guarantee on Magnetims

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