

## **DRUM SEPARATORS**





# PERMANENT MAGNETIC DRUM SEPARATION SOLUTIONS



#### **APPLICATIONS**

- Tire Shredding
- **Auto Shredding**
- **Electronic Waste**
- Pallet Recycling
- Glass Cullet
- Chemicals
- Mining
- Hog Fuel
- **Wood Pellets**
- Slag removal from Foundry Sand
- Pulp Processing
- Cement



## **DRUM SEPARATORS**

### MAGNETIC DRUM SEPARATORS

Magnetic Drum Separators are used to capture ferrous material from free-flowing bulk solids as well as concentrate and reclaim ferrous products in slurries.

These self-cleaning industrial magnets work on a high volume basis for applications where there is a great deal of continuous turnover of product and a high level of ferrous and para-magnetic contamination. Drum Magnets are used extensively to protect equipment such as grinders, crushers, and other plant process equipment and prevent costly downtime.

#### **ENCLOSED DRUM MAGNETS**



IMT's enclosed magnetic drum separators are perfect for gravity fed chute applications for dry, free flowing material.

#### STRUCTURAL DRUM SEPARATORS



IMT's structural magnetic drum separators feature an infeed chute and splitter, and are custom designed to be installed in large conveying systems for effective tramp metal removal.

#### **WET DRUM SEPARATORS**



Wet drum separators are commonly used in slurry applications for mining operations with heavy media circuits and iron ore concentration.

#### STANDALONE DRUM

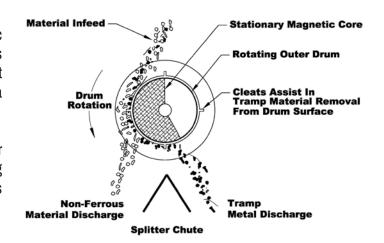


Standalone magnetics drum separators are available in high-intensity rare earth and ceramic (ferrite)materials.

#### **DRUM MAGNET OPERATING PRINCIPLES**

As material is introduced to the drum surface, a magnetic field attracts ferrous material to the rotating outer drum. This action continually conveys the captured ferrous material out of the product flow to the ferrous discharge area creating a self-cleaning action.

To ensure optimal recovery, there are many factors to consider when sizing a drum magnet such as type of material being processed, volume per hour, particle size range, and ferrous material.





#### INNOVATIVE MAGNETIC TECHNOLOGIES INC.

Head Office: #1 3308 Appaloosa Road Kelowna, BC V1V 2W5 Canada Telephone: (250) 491-5806 Toll Free: (888) 991-5806 Fax: (778) 753-6234 Website: www.imt-inc.com Email: sales@imt-inc.com

