



# 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

## 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 magnetic 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.

