

Magnetic Drum Separator for Material Recycling

The magnetic separator, also known as a magnetic drum separator, features a simple structure, large handling capacity, and convenient operation. It is widely used in resources recycling, lumbering, mine, ceramics, chemistry and food industries.



ADDITIONAL IMAGES



Overview

High-Efficiency Magnetic Drum Separator

This magnetic drum separator is a versatile industrial solution designed for the wet magnetic separation of materials smaller than 3mm. It excels in removing iron powders from recycled granular particles and concentrating valuable magnetic ores like magnetite and ilmenite. With its simple structure and high handling capacity, it provides a reliable and low-maintenance option for demanding recycling and mining environments.

Technical Performance

Magnetic Induction Intensity

100 mT
Min Intensity

600 mT
Max Intensity

Maximum Feed Particle Size

3 mm

Construction



The magnetic drum separator features a robust cylinder design optimized for continuous separation of fine granular materials.

Main Components

- Drum
- Magnetic system
- Trough
- Transmission part

Magnetic System Materials

Ferrite Materials, Rare Earth Magnetic Steel

Applications

Target Industries

Resources Recycling • Mining • Ceramics • Chemical Processing • Food Industry • Lumbering • Building Materials

Processable Materials

- Magnetite
- Pyrrhotite
- Calcined ore
- Ilmenite
- Coal
- Non-metallic ore

Key Features

Operational Advantages

- Simple structural design
- Large handling capacity
- Convenient operation
- Low maintenance requirements