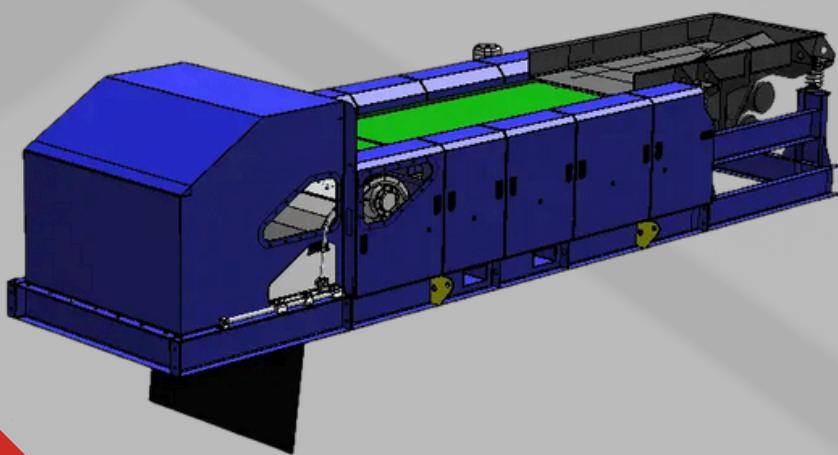




Eddy Current Separators



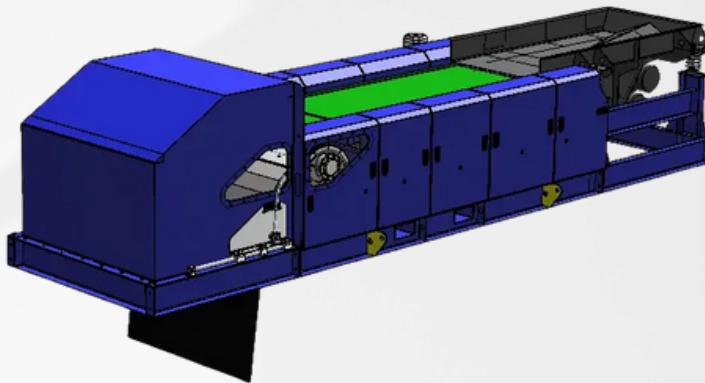




EDDY CURRENT SEPARATORS (ECS)

designed to efficiently separate non-ferrous metals such as aluminium, copper, and brass from mixed material streams.

Using a high-intensity magnetic rotor, these separators create a powerful eddy current that repels non-ferrous metals, ensuring maximum recovery and purity.



APPLICATIONS

- Aluminium can
- Glass cullet
- Automotive & E-Scrap Processing
- Construction & Demolition Waste
- Municipal Solid Waste (MSW)
- Plastics Recycling
- PET flake



EDDY CURRENT SEPARATORS (ECS)



ECS is designed with high-powered permanent rare-earth magnets to generate eddy currents that effectively repel metallic particles.

This advanced separation technology ensures precise removal of non-ferrous metals while maintaining product integrity.

By selectively isolating metal contaminants, the system delivers a cleaner final product, minimizing material loss and optimizing efficiency for further processing.

The system features a durable external drum, a high-speed internal permanent magnetic rotor, a drive mechanism, and a belt conveyor.

The outer drum, made from a non-metallic composite material, rotates at a standard conveyor speed, while the internal rare-earth magnetic rotor operates at a significantly higher RPM with alternating polarity.

This powerful combination ensures optimal separation of non-ferrous metals, enhancing product purity and processing efficiency.





KEY FEATURES AND BENEFITS:

High-Performance Separation – Effectively extracts aluminium, copper, and other non-ferrous metals from waste streams.

Advanced Magnetic Technology – High-speed magnetic rotors generate strong repelling forces for optimal metal recovery.

Adjustable Speed & Settings – Customizable to suit different material types and separation requirements.

Durable & Low-Maintenance Design – Built for continuous operation with minimal downtime.

Versatile Applications – Ideal for recycling plants, scrap metal processing, automotive shredding, and more.



DATA SHEET





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