

Eddy Current Separators

new! Model: *Rev-X-E* Eccentric Rotor Design



A new addition to the diverse range of Eriez non-ferrous metal separators providing unique separation solutions for the dynamically changing recycling industry.

Features

- Eccentric magnetic rotor which produces a powerful focussed field
- Magnetic rotor designed to maximise separation of nonferrous metals
- Designed for ease of installation into new and existing recycling plants
- Simple to operate
- Access panels conveniently located for easy access and servicing
- Low energy consumption
- Robust

Applications

- Recovery of aluminium, copper, zinc, etc from car frag
- Installed after a heavy media system to further improve metal recovery
- Extract aluminium beverage cans from either pre-sorted or mixed refuse
- Remove aluminium rings and bottle tops from crushed glass cullet
- Separate non-ferrous metals from incinerator ash
- Expel aluminium from foundry sand
- Salvage aluminium from crushed dross
- Many others



Eddy Current Separator Systems

When there is a requirement to separate non-ferrous metals, there usually is a reciprocal need for ferrous metal separation.

Eriez has designed a range of modular systems where customers can purchase one complete unit to separate ferrous and non-ferrous metals.

Typical Modules:

1. Drum and ECS

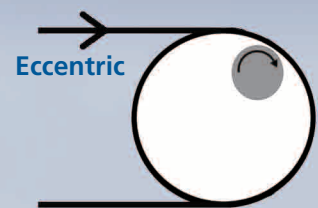
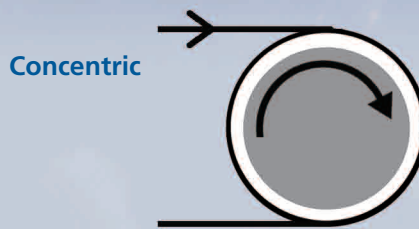
One or two Magnetic Drums with either standard strength ferrite or high strength Rare Earth elements to remove ferrous metals and stainless steel prior to the ECS. A feeder is used to control and evenly distribute the material onto the drum surface.

2. CP Magnet and ECS Module

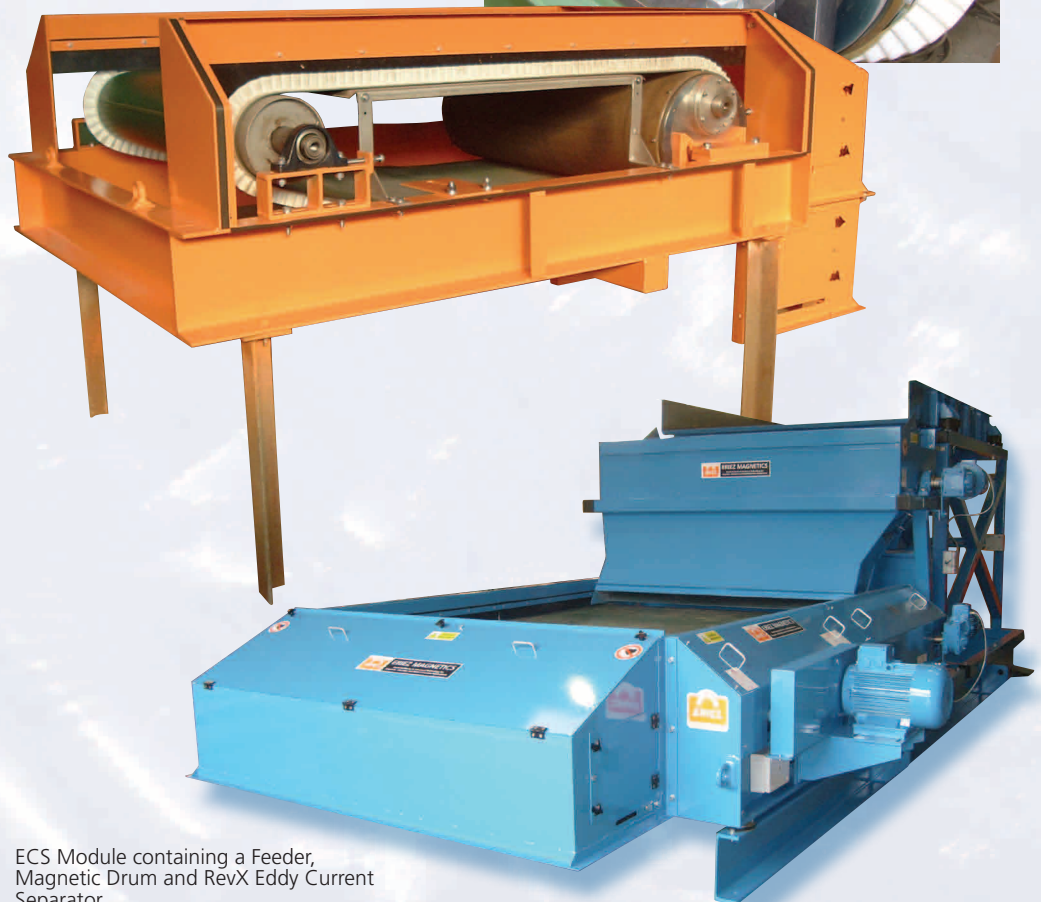
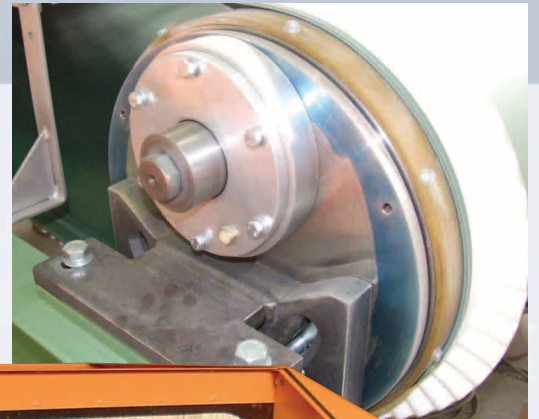
Commonly installed in Materials Reclamation Facilities. A CP Permanent Suspended Magnet is suspended over a large vibrating feeder to remove steel cans before the material then passes into the ECS.

ECS Design Concentric and Eccentric

The new RevX-E has an eccentric magnetic rotor. All other Eriez Eddy Current Separators have concentric rotors.



Eccentric rotor shown below and right, close up.



ECS Module containing a Feeder, Magnetic Drum and RevX Eddy Current Separator



Eriez Magnetics Europe Limited

European Manufacturing, Design and Test Laboratory Headquarters
Bedwas House Industrial Estate
Greenway, Bedwas
Caerphilly, CF83 8YG, UK

T: +44 (0)29 2086 8501
F: +44 (0)29 2085 1314
E: eriez@eriezeurope.co.uk
www.eriez.com

MANUFACTURING AFFILIATES IN:
AUSTRALIA BRAZIL CHINA INDIA JAPAN
MEXICO SOUTH AFRICA SPAIN USA