

A comprehensive and diverse range of nonferrous metal separators providing unique separation solutions for the dynamically changing recycling industry.

Features

- Concentric and Eccentric magnetic rotors available to suit specific separation objectives
- Designed for ease of installation into new and existing recycling plants
- Simple to operate
- Flexible design and easily adjusted to maximise separation performance
- Low energy consumption
- Wide range of sizes (300mm)

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
- Purify small granulated plastic by ejecting aluminium contamination
- 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



Models

The requirements of the recycling sector for excellent separation but at a level of investment that keeps the whole project viable have resulted in Eriez developing a wide range of Non-Ferrous Metal Separators. Each model is designed with a specific separation objective in mind.

Concentric RevX and Eccentric RevX-E NM Models

Magnetically designed to provide enhanced separation of non-ferrous metals.

Versions available:

NM-ST For the separation NM-ST2 of small particles, especially below 10mm

NM-LT For the separation of NM-LT2 large particles.

Each version has a different magnetic configuration to achieve maximum separation. Ideally suited for purifying cullet and plastics, and recovering valuable metal from secondary metals and incineration ash.

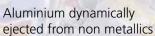
LC Model ECS

This robust model is designed for the separation of larger non-ferrous metals, especially beverage can recovery. The specifically configured magnetic rotor is ideal for arduous environments with minimum maintenance. Commonly installed in Material Reclamation Facilities (MRFs) to recover aluminium beverage cans and in car recycling plants to separate larger aluminium directly after the shredder.





Recovery of non-ferrous metals from incineration ash



Separation of very small (sub 5mm) aluminium chips from plastics



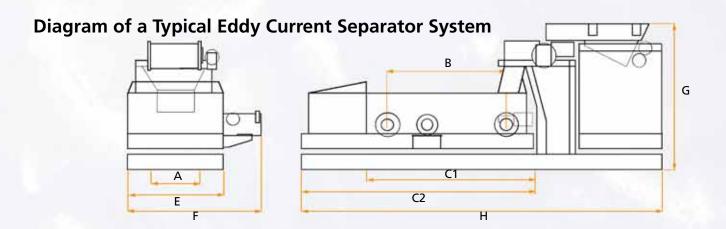
Specifications
Diagram of an Eddy Current Separator

A

C1

C2

F



ECS Model	Weight (kg)		Total Power kW belt with		Feed Width	Distance between Pulleys		Length without with		Height	Width	Width with	System height	System length	
	Rev-X NM	Rev-XE NM	LC		drives LC	Α	Concentric B	Eccentric B	hopper C1	hopper C1	All Models D	E	motor F	G	н
12	550	-	450	6.25	6.25	305	1500	1345	2170	3215	1115	1000	1485	2540	5100
20	850	-	950	6.25	6.25	500	1500	1345	2170	3215	1115	1125	1810	2540	5100
28	1450	1650	1450	6.25	6.25	600	1500	1345	2170	3215	1115	1325	1810	2540	5100
40	1700	2000	2200	6.25	6.25	900	1500	1345	2170	3215	1115	1630	2115	2540	5100
48	2200	2500	2600	7	9.00	1100	2000	1845	2670	3715	1115	1890	2345	2540	5800
60	2500	2700	3000	7	12.50	1400	2000	1845	2670	3715	1115	2200	2620	2540	5800
80	2900	2800	-	9	-	1900	2500	2345	3170	4215	1115	2650	3130	2540	6300

Notes: 1 All dimensions are in mm, approximate and subject to confirmation at time of order.

2 ECS System typically includes a drum, a vibratory feeder and an ECS unit.



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

Capacity per 1000mm Feed width (Tonnes/hour)

PET Flake	-15mm	2-3
Glass Cullet	-40mm	20.0
Car frag	-12mm	5.2
Car frag	12-30mm	12.5
Car frag	30-70mm	20.0
Shredded refuse	-50mm	18.0
Shredded refuse	50-150mm	20.0
Plastic Al	-10mm	10
Copper Pb	-8mm	7
Copper PVC	-6mm	2.25
Ash NF	-100mm	21.5
Sand NF	-100mm	20.0









For advice on individual applications, contact Eriez engineers at address left.