

EDDY CURRENT SEPARATORS



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RUGGED RELIABLE RECOVERY

EDDY CURRENT SEPARATORS



Eddy Current Separators or ECS utilise powerful magnets to separate valuable non-ferrous metals such as aluminium, brass and copper from different waste types.

ECS are often used in combination with other magnetic separation equipment to provide optimum non-ferrous downstream recovery from shredders, granulators and crushers.

FEATURES

- Range of magnetic designs to suit multiple applications from fine materials to coarse and large scrap processing
- Designed for installation into new and existing recycling plants
- Simple to operate with many adjustable settings
- Wide range of sizes from 300mm to 2000mm feed widths

TYPICAL APPLICATIONS

- Recovery of aluminium cans from MSW
- Removal of non-ferrous metal from recycled glass and plastic
- Collection of valuable copper from WEEE (Waste Electronic and Electrical Equipment)
- Extraction of nails and screws from recycled wood and biofuel
- Separation of brass and aluminium from foundry sand
- Removal of non-ferrous metal from incineration bottom ash



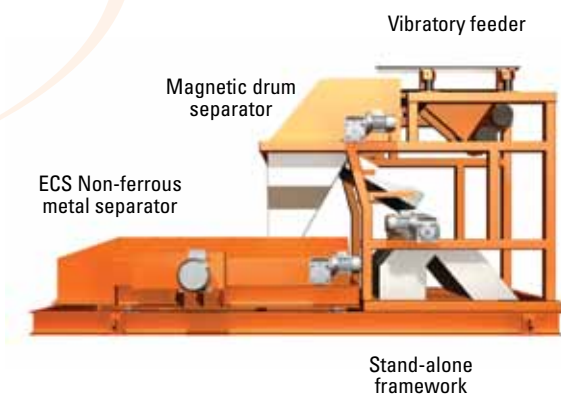
MODELS / MAGNET DESIGNS

Eriez has over 20 years of experience in the design of Eddy Current Separators and has developed the following 5 models to suit a full range of recycling applications.

ERIEZ MODEL	PARTICLE SIZE (NON-FERROUS) FOR SEPARATION	APPLICATION EXAMPLES
RevX-E ST22	3-15mm	PET Flake, Glass Cullet, IBA (Incineration Bottom Ash)
RevX-E ST2	10-45mm	WEEE (Waste Electrical and Electronic Equipment), uPVC Window Frames, ASR (Automotive Shredder Residue)
RevX-E LT2	+35mm	Car Frag, Woodchip, MSW (Municipal Solid Waste), RDF (Refuse - Derived Fuel)
RevX-E NG24	10-45mm & +45mm	Dual frequency design capable of processing small and large fractions - Glass Cullet, Woodchip, RDF
RevX-E NG32	3-15mm	High capacity design for 2000mm wide processing of fine material - PET Flake, IBA
LC09	+75mm	Can Separator for use in MSW type waste to recover whole aluminium cans

EDDY CURRENT SEPARATOR MODULAR SYSTEMS

Eriez can also offer a range of dual metal separation modules capable of recovering ferrous (steel) & non-ferrous (aluminium) metals in one stand-alone machine.



Available with a range of optional extras

EDDY CURRENT SEPARATOR SERVICE

- Eriez carries a full stock of critical spares at their European headquarters in the UK
- Service and support from time-served engineers
- Vast number of reference sites available across Europe and the UK

MK I FRAME DESIGN - COMPACT, EASY INSTALLATION

The MK I features easy access pop panels for routine maintenance and central fork lifting points for manoeuvrability.



MK III FRAME DESIGN - CANTILEVER, RAPID BELT CHANGE

The MK III features a unique cantilever design which allows belt changes in less than 30 minutes.





ERIEZ RECYCLING TEST CENTRE



Eriez Europe's recycling test centre enables customers to determine which combination of equipment is the best fit for their waste processing needs. The centre is equipped with our full range of recycling machinery, including separation, vibratory feeding and metal detection equipment. It can handle bulk samples of any material, from coarse to very fine, and complements our equally well-equipped laboratory and testing facility.

EFFICIENT TESTING SERVICE

The centre uses samples provided by the customer to conduct feasibility tests with various equipment combinations, based on a detailed analysis of the customer's requirements. Performance tests are used to confirm the machinery and settings and make a profitability assessment. A concise report is produced indicating the expected quantities and grade of recovered material as well as the most suitable equipment configuration.



Manufacturing Affiliates in: Australia, Brazil, Canada, China, India, Japan, Mexico, South Africa, United Kingdom, USA



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