



Eddy Current Separators

Non Ferrous - Rare Earth Eddy Current Separating System

TRAMP METAL

TG-13A

Industrial Magnetics, Inc. • 1385 M-75 South • Boyne City, MI 49712 • p: 888.582.0821 • f: 231.582.2704 • w: www.magnetics.com • e: imi@magnetics.com

INTRODUCTION:

Our Eddy Current Separators are designed from the ground up to provide high recovery rates (97%+) and low operating costs.

The units vary essentially in one area, the number of poles. While all of our units do a remarkable job on UBC (Beverage Can) recovery, the standard 8 pole unit was designed just for this job. The 12 and 16 pole units were initially designed for glass clean up, though they excel in any application where recovery of smaller particles is required.



APPLICATIONS:

Eddy Current Separators are ideal for a range of applications, including:

- MRF (Material Recovery Facilities)
- Glass clean up
- C&D
- Incineration
- Auto shredding
- Electronics Recycling



FEATURES:

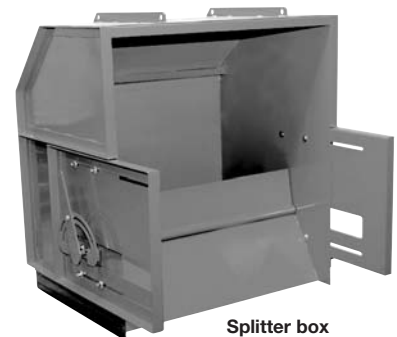
- High grade Rare Earth magnets
- Flux Pump Rotor Design™
- Stainless steel sleeve on all rotors
- Removable side plates for easy access and maintenance
- Variable speed motor for rotor and belt
- Carbon fiber shell minimizes ferrous burnout
- Internal motorized drive drum for more compact design
- Low profile design (easy retrofit)
- Take up screw adjustment for easy belt tensioning and tracking
- 3/8" thick heavy-duty fold channel construction
- Lifting eyes for easy installation
- Powder coated finish
- Urethane belt with corrugated sidewalls
- Cantilever design for one piece belt change
- +/- 1% of out throws in your clean aluminum



Take up screw adjustment for easy belt tensioning and tracking

OPTIONS:

- Optional splitter hood comes with adjustable side closures and an adjustable divider vane - Specialized controls are available
- Extended placement of splitter vane
- Units can be built to accommodate virtually any height requirement
- Control packages



Splitter box

Key Markets

MRF (Material Recovery Facility's), Glass clean up, C&D, Incineration, Auto shredding, Electronics Recycling

Related Products

Suspended Overhead Magnets, Plate Magnets, Magnetic Separation Pulleys, Drum Separators, Extractors, Vibratory Feeders

All Photos And Drawings Represent The Products At The Time Of Publication (01/12)

Eddy Current Separators Specifications

STANDARD UNIT SPECIFICATIONS:

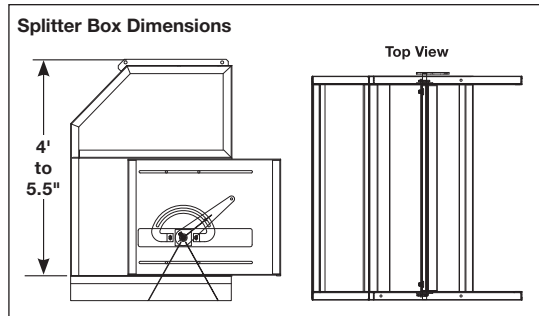
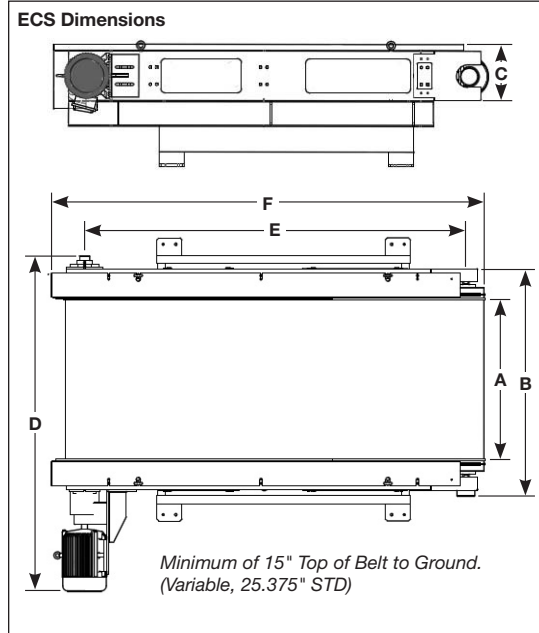
Model No.	A	B	C	D	E	F	F with Splitter Box	Rotor HP	Belt HP
8 POLE UNITS (Ideal for MRF applications or 2"+)									
ECSS-2408-90	24"	56.375"	12.6"	80.675"	90"	99"	157"	7.5	5.5
ECSS-3008-90	30"	62.375"	12.6"	86.675"	90"	99"	157"	7.5	5.5
ECSS-3608-90	36"	68.375"	12.6"	88.375"	90"	99"	157"	7.5	5.5
ECSS-4208-90	42"	74.375"	12.6"	94.675"	90"	99"	157"	7.5	5.5
ECSS-4808-90	48"	80.375"	12.6"	100.675"	90"	99"	157"	7.5	5.5
ECSS-6008-144	60"	92.375"	12.6"	112.675"	144"	153"	211"	10	5.5
12 POLE UNITS (Applications handling 2"-)									
ECSS-3012-90	30"	62.375"	12.6"	86.675"	90"	99"	157"	7.5	5.5
ECSS-3612-90	36"	68.375"	12.6"	88.375"	90"	99"	157"	7.5	5.5
ECSS-4212-90	42"	74.375"	12.6"	94.675"	90"	99"	157"	7.5	5.5
ECSS-4812-90	48"	80.375"	12.6"	100.675"	90"	99"	157"	7.5	5.5
ECSS-6012-144	60"	92.375"	12.6"	112.675"	144"	153"	211"	10	5.5

Minimum of 15" Top of Belt to Ground. (Variable, 25.375" STD)

HIGH PERFORMANCE UNIT SPECIFICATIONS:

Model No.	A	B	C	D	E	F	F with Splitter Box	Rotor HP	Belt HP
8 POLE UNITS (Ideal for MRF applications or 2"+)									
ECSH-3008-90	30"	62.375"	12.6"	86.675"	90"	99"	157"	7.5	5.5
ECSH-3608-90	36"	68.375"	12.6"	88.375"	90"	99"	157"	7.5	5.5
ECSH-4208-90	42"	74.375"	12.6"	94.675"	90"	99"	157"	7.5	5.5
ECSH-4808-90	48"	80.375"	12.6"	100.675"	90"	99"	157"	7.5	5.5
ECSH-6008-144	60"	92.375"	12.6"	112.675"	144"	153"	211"	10	5.5
12 POLE UNITS (Applications handling 2"-)									
ECSH-3012-90	30"	62.375"	12.6"	86.675"	90"	99"	157"	7.5	5.5
ECSH-3612-90	36"	68.375"	12.6"	88.375"	90"	99"	157"	7.5	5.5
ECSH-4212-90	42"	74.375"	12.6"	94.675"	90"	99"	157"	7.5	5.5
ECSH-4812-90	48"	80.375"	12.6"	100.675"	90"	99"	157"	7.5	5.5
ECSH-6012-144	60"	92.375"	12.6"	112.675"	144"	153"	211"	10	5.5
ECSH-8012-144	80"	112.375"	12.6"	136.675"	144"	153"	211"	10	5.5
16 POLE UNITS (Ideal for fines or 1"-)									
ECSH-3616-90	36"	68.375"	12.6"	88.375"	90"	99"	157"	7.5	5.5
ECSH-4216-90	42"	74.375"	12.6"	94.675"	90"	99"	157"	7.5	5.5
ECSH-4816-90	48"	80.375"	12.6"	100.675"	90"	99"	157"	7.5	5.5
ECSH-6016-144	60"	92.375"	12.6"	112.675"	144"	153"	211"	10	5.5
ECSH-8016-144	80"	112.375"	12.6"	136.675"	144"	153"	211"	10	5.5

Minimum of 15" Top of Belt to Ground. (Variable, 25.375" STD)



APPLICATION QUESTIONNAIRE:

Application Specifications:

Product: _____ Size range: _____ to _____ Max Lump Size: _____

Moisture % _____ Temperature range: _____ to _____ °F Volume/Rate _____ Bulk Density _____

Product width on belt: _____ Product/burden depth range: _____ to _____

Material to be separated: Size Range _____ to _____ Description of material (types of metal): _____

Does the material to be separated contain ferrous metals? Yes No

If yes, will there be a magnet located prior to the ECS to remove ferrous particles? Yes No

NOTE: The removal of ferrous material before the eddy current separator is very important due the strength of the Flux Pump™ rotors. It's recommended to use a magnet e.g. cross belt in any application that has both ferrous and non ferrous material.

Budget and Time Frame

A. Is this a funded project? Yes No

B. What is the Budget range for Eddy Current Separator: _____

C. What is the Time Frame for purchase and installation: _____