EDDY CURRENT SEPARATOR

INDUSTRIES
- Wood Waste Recycling
- Mineral Processing
- Municipal Waste Recycling
- Electronic Waste

FUNCTION
Non-ferrous metal recovery:
- Aluminium
- Copper
- Lead
- Brass
- Gold

FEATURES AND BENEFITS
- Range of high strength options
- Bespoke solutions available
- Guaranteed performance
- Test certified
- Competitive pricing
- Fast delivery

EDDY CURRENT SEPARATOR OPTIONS AVAILABLE
- A range of magnetic rotor strengths
- 300-2000mm effective widths
- Vibratory feeders
- Magnetic drum separators
- Control panels
- Splitter plates and collection chutes
- Base frame
# Eddy Current Separator

## Technical Data

<table>
<thead>
<tr>
<th>Rotor Model</th>
<th>Number of Poles</th>
<th>Gauss on Drum Face (G)</th>
<th>Drum Diameter (mm)</th>
<th>Max RPM</th>
<th>Average Size for Separation (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-Ferrite</td>
<td>12</td>
<td>2000</td>
<td>181</td>
<td>2000</td>
<td>aluminium cans</td>
</tr>
<tr>
<td>M - Rare Earth</td>
<td>12</td>
<td>3000</td>
<td>310</td>
<td>2200</td>
<td>10-150mm</td>
</tr>
<tr>
<td>H - Rare Earth</td>
<td>18</td>
<td>4200</td>
<td>366</td>
<td>3000</td>
<td>&lt;10</td>
</tr>
<tr>
<td>HI - Rare Earth</td>
<td>24</td>
<td>5200</td>
<td>366</td>
<td>3000</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>

*Table to be used for guidance purposes only

## The Process

1. Material passes over the vibrating pan where it is distributed evenly on to the conveyor.
2. The rotating magnetic separator extracts the ferrous metal around the drum (optional).
3. The high speed ECS Conveyor presents the material in a mono layer format to the ECS rotor to optimise efficiency.
4. The high speed ECS rotor propels the non-ferrous metals beyond the splitter plate in to the collection chute.

**KEY**

- ▲ = Ferrous metals
- □ = Non-ferrous metals
- ○ = Inert materials

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