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Eddy Current Separator



MAGWELL INDUSTRIES

WORKING PRINCIPLE

MAGWELL Eddy Current Separators are designed to separate non-ferrous conducting metals.

The Eddy Current system consists of a short belt conveyor. The ECS rotor, which is fitted at the discharge end of the conveyor, is constructed using a high-intensity rare earth magnet system and sits inside a non-metallic rotor shell.

The rotor, when spinning at high speed produces eddy current into conducting metals which produces a magnetic field, then opposes that of the rotor, repelling non-ferrous metals.

The remaining materials free-fall over the rotor, separating them from the repelled materials

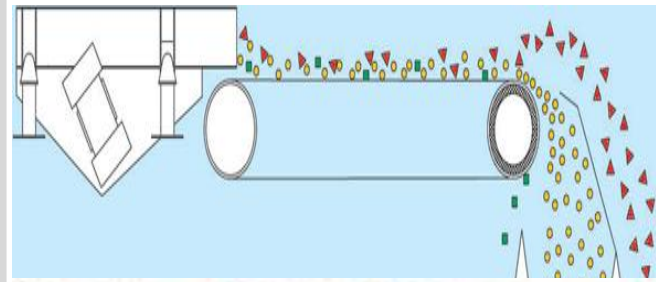


Features

1. Heavy-Duty Bearings and Motors.
2. High Quality Motor Controls and Drives.
3. Heavy Duty Urethane Belt.
4. Side Skirts to Confine Product to Belt.
5. High Powered Neodymium-Iron- Boron Magnets.
6. Different type and size magnetic rotor designs.
7. VFD Speed Controller

Application

1. 98% recovery of aluminum cans from commingled recyclables.
2. Stainless steel, copper, aluminium, brass from shredder residue and fluff
3. Non-ferrous metal recovery in refuse streams and ash streams in Waste-to-Energy facilities
4. Separation of non-ferrous chips.
5. Aluminium scraps recovery in foundry sand Reclamation.
6. Extract aluminium beverage cans from either pre-sorted or mixed refuse



APPLICATION



Glass Recycle



CHEMICALS

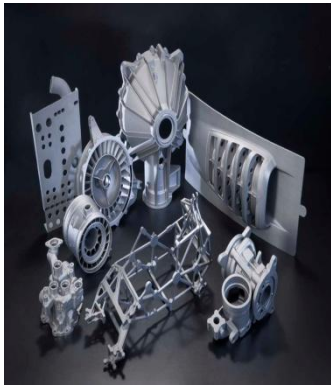


 Computer Disposal

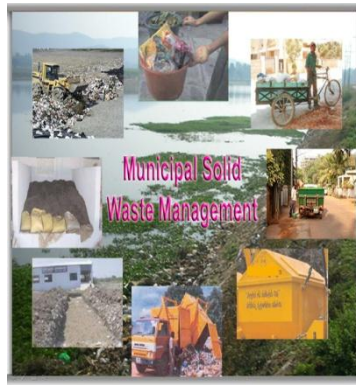
E-Waste



PHARMACEUTICAL



Alloy Waste



Municipal Solid Waste



Wire Waste



MINERALS

EQUIPEMNTS



Aluminium Conveyors



Eddy Current Separator



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