

EDDY CURRENT CONVEYOR BELTS

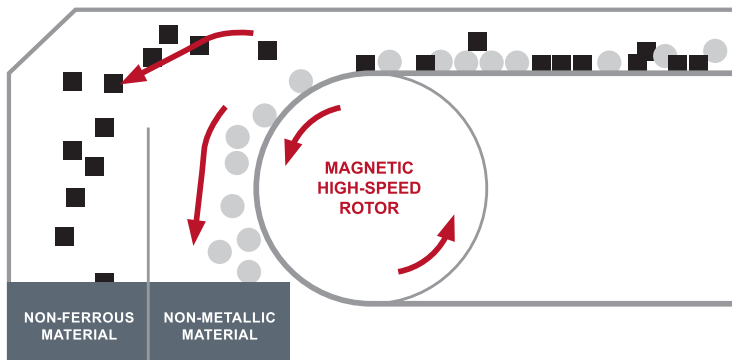
Specialty Conveyor Belt Fabrication

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Eddy current separator belts are used to separate nonferrous materials, those that don't contain significant quantities of iron, from other waste. This separation is achieved by using powerful magnets to repel the nonferrous material. This occurrence is similar to putting two magnets together that have the same poles, causing them to push away from one another, rather than connect. Repelling the material causes the nonferrous metals to be thrown from the waste that is being separated, upon being thrown the waste and nonferrous materials are separated into two separate take away conveyors.

Automotive recycling yards use this belt on their magnetic separators to separate metal parts from nonmetal parts. The belt is designed with one tracking guide and one vanner edge on the top surface with one cross cleat which knocks the metal parts held by the magnetized pulley from the belt into a recycling bin.



Benefits

- Polyurethane belts provide the greatest strength with the least thickness
- Avoids dampening the effect of the eddy current
- Polyurethane belts provide greater abrasion and wear resistance and avoid dampening the effect of the eddy current.

Common Uses

Municipal Recycling Facility (MRF), Municipal Solid Waste Facility (MSW), Waste-to-energy Facilities, Scrap Residue and other applications demanding sorting.



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