

MAGNETIC CONVEYORS

How Magnetic Conveyors Work

01. Conveyors capitalize on the magnetic properties of ferrous materials exclusively for product movement
02. The magnetic goods on the conveyor experience a clamping force from the magnetic attraction that affixes them to the conveyor.
03. Given the power of that attraction, products are able to defy gravitational force, meaning that these conveyors can effectively move large or small items down the line regardless of whether the conveyor has a horizontal, vertical, inclined, or turning configuration

Features and Options

- Our magnetic conveyors are available with a myriad of features, including:
- Enclosed frame to provide protection for magnets, sprockets, and chains
- Compact frame height for a low profile that optimizes floor space
- Ceramic 5 magnets for excellent holding strength
- Spring-loaded take-up
- Oil-filled Ultra-High Molecular Weight (UHMW) tracks
- Submersible construction

Optional Features

Some of the optional features we offer for greater customization opportunities include:

1. Ceramic 8 magnets for superior magnetic strength
2. Manganese and rigidized slider beds
3. Neodymium magnets, a type of rare earth magnet
4. Integrated coolant tanks
5. Filtration and pumps

Our magnetic conveyors can function as scrap separators as well, taking superfluous metal components off the line and relocating them to a specific discharge area.

We utilize high-energy magnets and motors of superior operational efficiency in MC3 magnetic separation equipment to best meet your conveying needs.

