

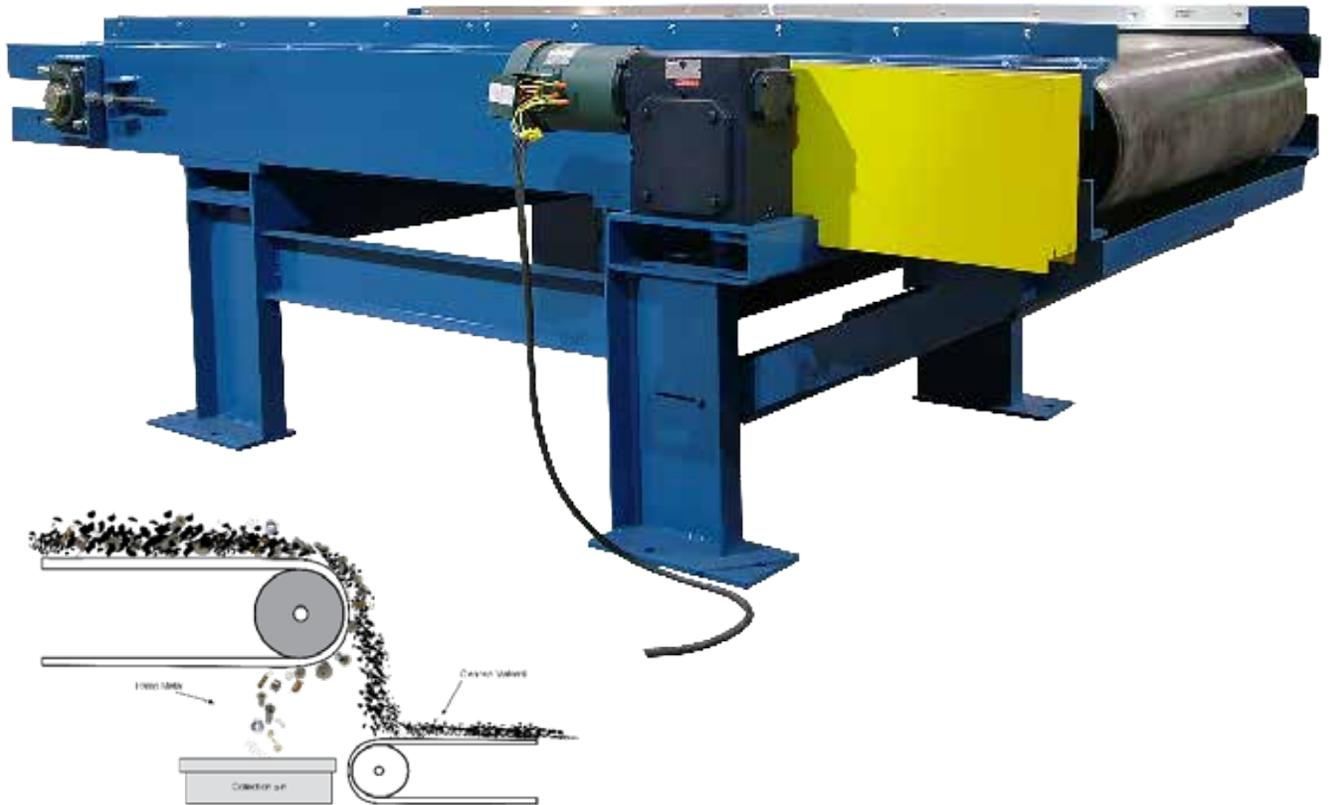


**MAGNETIC PRODUCTS, INC.**

ENGINEERED METAL CONTROL SOLUTIONS

# Magnetic Belt Feeder

Series: MBF



## Application

Magnetic Belt Feeders (MBF series) are designed to trap ferrous materials that would otherwise contaminate final products. The Magnetic Belt Feeder is engineered to provide maximum elimination of metal contaminants. It consists of a belted conveyor with an integrated magnetic head pulley.

## Operation

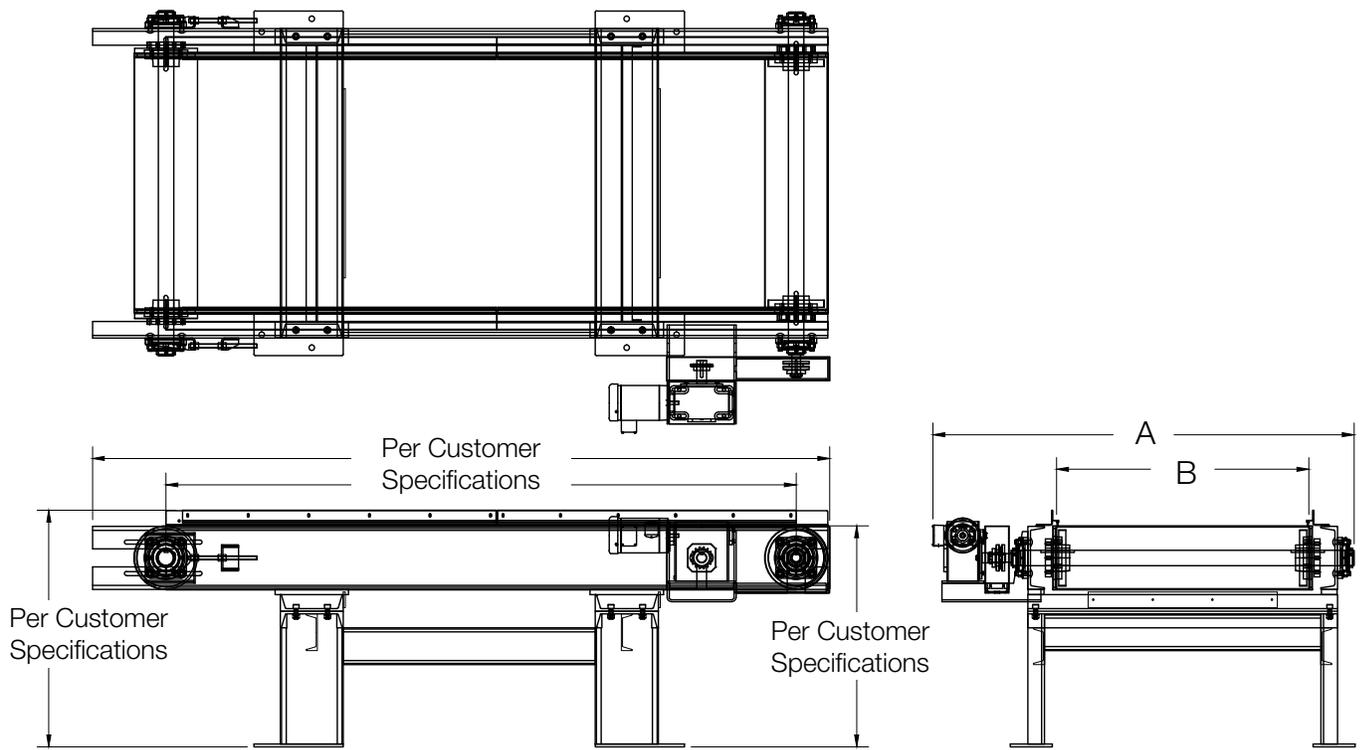
As product reaches the end of the feeder's conveyor, it passes through a magnetic field. Gravity causes clean, non-ferrous materials to exit and fall away from the MBF system. Ferrous metals are carried around the head pulley and are transported away from the magnetic field where they fall from the conveyor belt typically into a metal collections area.

*\*Specifications subject to change*

Series MBF Version 4.0 © MPI

**MPI**

683 Town Center Drive, Highland, MI 48356 | p. 248.887.5600  
info@mpimagnet.com | www.mpimagnet.com



## MBF Selection Guide

Model #	Unit Width A		Belt Width B		Magnetic Roll Diameter	
	Inches	CM	Inches	CM	Inches	CM
<b>MBF-1220</b>	52.20	133	20	51	12	30
<b>MBF-1230</b>	62.20	158	30	76	12	30
<b>MBF-1248</b>	80.20	204	48	122	12	30

### Standard Features

- Standard belt widths from 20" to 48"
- Adjustable take-up assembly
- Standard drive system can be mounted below, right or left side
- Motor drive package 1 HP direct drive motor

### Options

- Custom motor voltages, belt speed, delivery/discharge transitions
- Ceramic or rare earth magnet material
- Welded or bolt-on legs
- Magnetic roll circuitry: Axial, Radial

## Magnetic Roll Circuits

### AXIAL (A)

This magnet circuit provides alternating north and south magnetic poles around the roll diameter, providing optimum magnetic field "reach-out" and a consistent magnetic pole across the roll width. This magnet design is ideal for capturing medium to larger types of tramp metal in moderate to deep product flows on the conveyor belt.

### RADIAL (R)

This magnet circuit provides a lower number of highly concentrated magnetic poles at intervals across the roll. This improves magnetic field "reach-out" and a consistent magnetic pole around the roll diameter. This magnet design is ideal for capturing small to larger types of tramp metal in shallow to moderate flows on the conveyor belt.

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