

PRM

Inline chute magnet

- Magnetic separation of products that tend to bridge and of fibrous products
- EASY CLEAN function for easy cleaning, or AUTO CLEAN function as an option
- High throughput capacity
- Powerful neodymium magnet material
- Food industry version available
- Optimal distribution of the material to the magnet pack by means of an inlet deflector
- Two plate magnets are laterally attached at the housing, generating a powerful and homogeneous magnetic field
- Optional versions with intermediate plates that considerably facilitate cleaning of the magnet
- Approved for ATEX zone 20



Inline chute magnet

Performance characteristics:

Inline Chute Magnet PRMF: (Ferrite version)

This type is mainly used to separate larger tramp iron from the product flow.

Inline Chute Magnet PRMN: (Neodymium version)

If it is necessary to remove even fine particles from the product flow, Premium Magnets supplies this system with rare earth neodymium magnets. The energy product of these magnets is more than ten times higher than from conventional ferrite material.

Both versions of inline chute magnets can optional be supplied with intermediate cleaning plates. This allows a quick and easy removal of all attracted contamination from the magnetic pack. Catchment areas on these cleaning plates give the attracted particles sanctuary from being knocked off by following material.

For installation in:

Free-fall/bulk conveyors

Application:

This magnetic separation system is predominantly used for the removal of ferrous contaminations from fibrous products and materials that tend to 'bridging'. Also for higher throughput capacities inline chute magnets prove a good separation result. This magnet system is particularly suitable for the removal of tramp iron e. g. bolts, nuts, washers, a.s.o. But also, smaller particles are attracted by the strong magnetic flux field. For the vertical installation, Premium Magnets offers a wide range of unit sizes (square and round). Of course, also customized connections can be realized. A small diverter across the inlet opening provides for an optimum distribution of the material to be separated.

For application in:

- Plastics industry
- Food industry
- Chemical industry
- Textile industry
- Wood industry
- Recycling industry
- Packaging industry
- Other industry sectors

For the inspection of:

Bulk materials; dry, non-free-flowing (bridging), powdery, fine-grained (grain size <6 mm), coarse-grained (grain size >6 mm), lumpy, fibrous, crumbly, moist.

