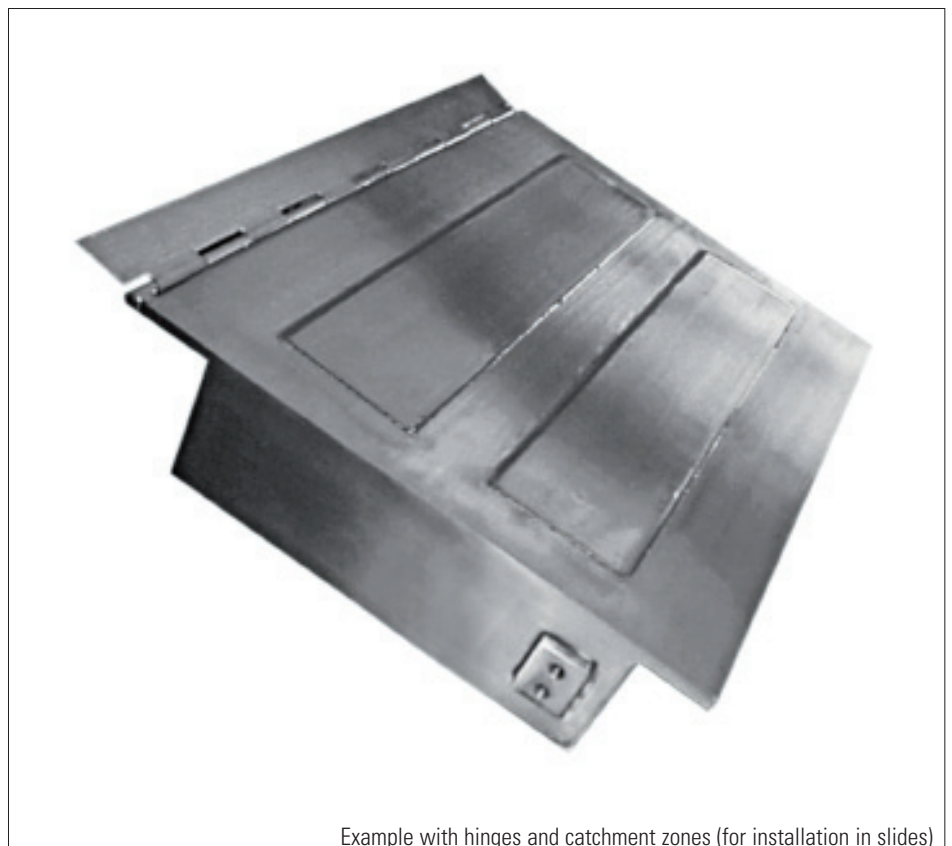




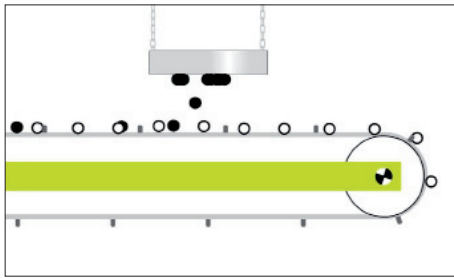
PM

Plate magnet

- ✓ **For applications with bulk materials**
- ✓ **Easy integration**
- ✓ **Separation of medium-sized and coarse ferrous contaminants**
- For installation in slides or above conveyor lines
- Ferrite or neodymium version
- Special long magnet beams for the textile industry
- Robust design with stainless steel cover (AISI 304)
- Approved for ATEX zone 20
- Optional intermediate cleaning plate
- Optional catchment zones on the effective surface



Example with hinges and catchment zones (for installation in slides)



Function drawing: PM mounted above a conveyor belt

Function:

For the separation of ferrous contaminants plate magnets are installed in a continuous material flow above conveyor lines, in free fall, under chutes and slides, etc.. For the quick and thorough removal of attracted ferrous particles from the magnet manual or pneumatic cleaning devices are available as an option. The use of a pneumatic cleaning device is especially recommended if the plate magnet is installed at a position that is difficult to access.

Main components:

- Ferrite or neodymium version
- The magnet surfaces that get into contact with the conveyor belt are made of stainless steel (AISI 304).
- Manual or pneumatic cleaning device (option)

Typical applications:

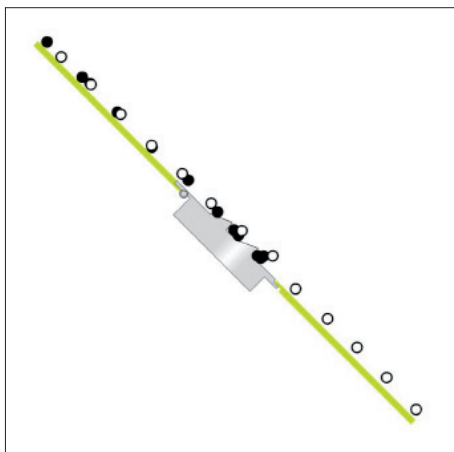
- Inspection of bulk materials (also non-free-flowing bulk materials)
- Pre-separation of coarse ferrous contaminations (machine protection)
- Separation in applications with high throughput rates

Plate magnet PMF (ferrite version):

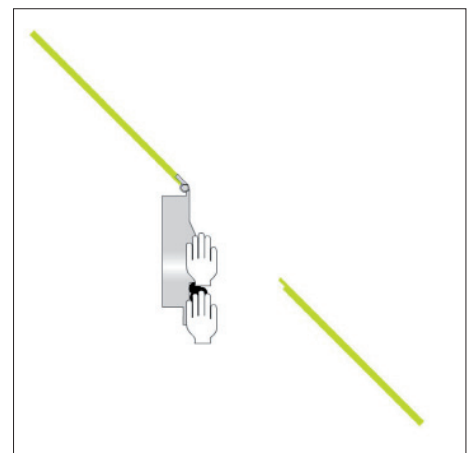
This plate magnet version is equipped with powerful ferrite magnets that are designed to generate a strong and deep magnetic field. At its back side the plate magnet features a base plate with holes for mounting.

Plate magnet PMN (neodymium version):

Plate magnets with neodymium magnets (Nd-FeB) feature a considerably higher magnetic power at the effective surface and are used e.g. for the separation of smaller ferrous particles. The energy product of this magnet type is more than ten times higher than the energy product of conventional ferrite magnets.



Function drawing 1: PM installed in a slide



Function drawing 2: Cleaning process