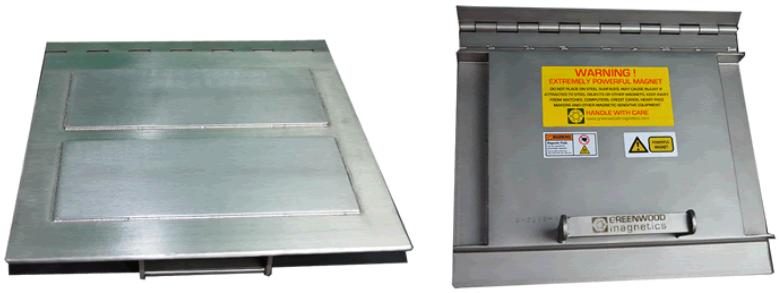
MAGNETIC PLATES

DESCRIPTION



The Greenwood Magnetic Plate Type Elefant is designed for fitting into inclined chutes. Manufactured with a 3 mm thick stainless steel angle frame means that the construction is robust, allowing rigorous handling. It also allows the angle frame to be drilled for fitting purposes.

Manufactured with powerful Rare Earth magnets, the magnetic plate is completely stainless steel encased. Options include slim (28mm thick) lightweight version (SRRE) 5000-7000 gauss on contact surface or high intensity version (43mm thick) (DRRE) 8000-10000 gauss on contact surface.

Plates are usually installed in the base of inclined gravity feed chutes for the extraction of powder or granular materials being processed. It is simply fitted into the cut-out in the base of the chute or hinged from underneath. State which method when ordering.



Greenwood spout fitted with stainless steel encased Rare Earth magnetic plate. Note that angle is welded to the sides of the chute allowing fixing of the hinge and star knobs and wider magnetic coverage inside the chute.



Magnetic plate hinged open for cleaning. This plate is fitted with 3mm thick magnetic stainless poles for greater strength.

Greenwood Magnetics Ltd
Unit 1 Buckley Road Industrial Estate
Buckley Road, Rochdale
Lancashire
OL12 9EF

T +44 (0) 1706 645824
F +44 (0)1706 642 458
E sales@greenwoodmagnetics.com

MAGNETIC PLATES

We also offer the Rare Earth Magnetic Plate in an easy clean version. As the magnetic plate is opened for cleaning, the easy clean stainless steel “cover” plate splits away from the main rear magnetic plate. The easy clean cover plate requires a simple locking mechanism so that it can only open to a certain extent. We will fit this if we manufacture the magnet chute, otherwise this must be fitted to the existing chute on site. As the main magnetic plate is pulled away, the ferrous metal contamination drops automatically away from the plate outside the process. This makes cleaning far easier for the operative, less dangerous, and saves downtime. Manufactured up to a magnetic strength of 7000 gauss on the contact surface.



Easy Clean Plate – cover plate split away from main magnetic plate



Magnetic plate shown in situ in flour mill

FEATURES

- Encased in stainless steel
- Manufactured in various shapes and sizes
- Magnetic surfaces easily cleaned manually
- Effective and consistent performance due to high magnetic flux density
- Easily installed
- Powerful Rare Earth magnetic probes can be fitted for extra penetration of materials
- Easy Clean Version available

SPECIFICATION

- Magnet strength - will extract ferrous metal objects weighing 12 grams against gravity from a distance of 100mm (12 grams is equivalent to the weight of a standard 100mm long nail).
- Flush face magnetic plates on request
- Can supply spout fitted with plates to suit your pipe dimensions
- Available with powerful Rare Earth magnets for extraction of fine ferrous particles
- Can be supplied totally encased in stainless steel and fully welded (typically food and pharmaceutical applications)

Greenwood Magnetics Ltd
Unit 1 Buckley Road Industrial Estate
Buckley Road, Rochdale
Lancashire
OL12 9EF

T +44 (0) 1706 645824
F +44 (0)1706 642 458
E sales@greenwoodmagnetics.com