

Bullet Magnet

Strong absorption iron and paramagnetic iron in materials, quickly clean and unload iron

Bring new opportunity for high-standard material purification and decontamination



**HIGH EFFICIENCY AND HIGH QUALITY
MAGNETIC SEPARATION SOLUTIONS**

**Based on profound design capabilities, provide you with
more reasonable magnetic separation solutions**



Tianjin North Star Technology Co.,Ltd

Address: 10B, Taihu beiLi, 2 District, Sixiaotun
Village, Liangwangzhuang Town, Jinghai County,
Tianjin, P.R.China, 301617
Tel: +86-022-87987163
E-Mail: tjbeisu@163.com
Website: <http://tjbeisu.cn>

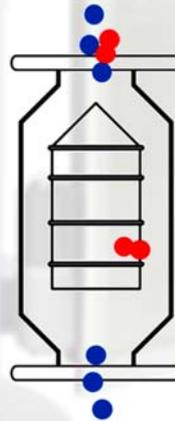
Bullet Magnet

The permanent bullet magnet is suitable for capturing and filtering ferromagnetic particles from free-falling powder or granular materials in pneumatic conveying or vacuum vertical pipelines. The bullet magnet is connected to the existing pipeline system through a stainless steel cavity wrapped outside the magnetic core.

Design principle

There is a tapered magnetic core wrapped by a stainless steel shell which is placed in the stainless steel cavity. The magnetic core can ensure that the material to be purified is evenly distributed and can have a good contact with the magnetic field. When entering the cavity of bullet magnet, the products are spread out and the ferrous impurity is absorbed on surface of magnetic core at the same time, moreover the purified material continues to downward flow. When its door is opened following with the magnetic core being rotated out, the ferrous iron on surface of magnetic core can be clear out.

● 铁磁性金属
● 非铁磁性物料



Characteristics and advantages

- ◇ Available in ceramic or rare earth magnet for tramp or fine iron removal
- ◇ Wrapped by a stainless steel cavity, sturdy structure and long-lasting life
- ◇ Bare magnetic poles can maximize absorb surface ferrous-impurity
- ◇ Sanitary-grade assembly is suitable for a variety of installation environments
- ◇ Easily move, install and clean for magnetic core
- ◇ Magnetic system can rotate 360° around the axis to clean up without dead angles
- ◇ Tapered magnetic core maximize absorb iron particles without material loss
- ◇ Suitable for difficult-to-access areas or fully automated production lines
- ◇ Size and specifications can be customized

Bullet Magnet

Interface connection

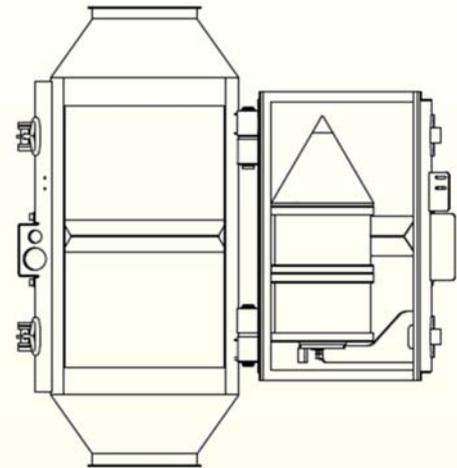
Flexible connections, food-grade screws, quick clamps, flanges, etc.

Handling material

Flour, starch, sugar powder, plastic particles, plastic resin, cocoa powder, starch, bread crumbs, etc.

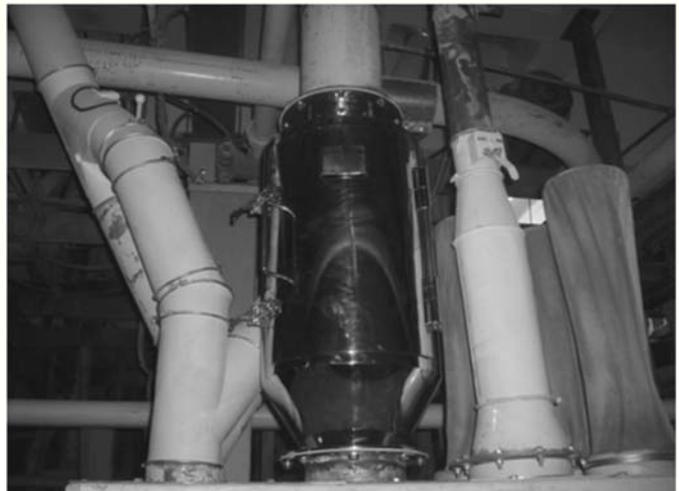
Application

Clear ferrous impurities in fluid or semi-fluid pumping and pneumatic conveying pipelines



Standard specification sheet

Bullet Magnet		
Series	Inlet and outlet pipeline diameter(mm)	Capacity(m3/h)
BD-RE-D150	Ø150	28
BD-RE-D200	Ø200	60
BD-RE-D250	Ø250	100



Product & Service

Control and Test device

In order to provide much more types of magnetic equipment, Tianjin North Star technology Co.,Ltd provides related service including monitoring, installation, maintenance and so on, as well as corresponding monitoring and detection equipment.

In many industry, including the food industry, magnetic equipment requires regular testing. We can provide users with door-to-door service for magnetic strength testing and provide magnetic certification reports after the magnet test, to help users deal with product quality audits inside and outside the company. We can also provide the more high quality Gauss meter to help you test in-house. The main feature of our Gauss meter is very easy to operate. It means person without professional training can easily measure.



Using NdFB magnetic bar, you can quickly test whether the product contains iron impurities. The magnetic strength on surface of magnetic bar can reach 15000GS, and it can absorb iron impurities greater than 30 μ m. However, such extremely fine iron impurities cannot be detected by metal detector. The detection magnet not only has good detection performance, but also the surface's iron impurities can be easily collected to analyze.



Product & Service

We can provide the following services:

- α) Commissioning of the control system
- β) Maintenance service
- χ) The installation and commissioning of new product
- δ) Control, detection and monitoring of magnetic equipment
- ϵ) Maintenance and replacement of magnetic equipment
- ϕ) All of the above service types can be operated on site

