

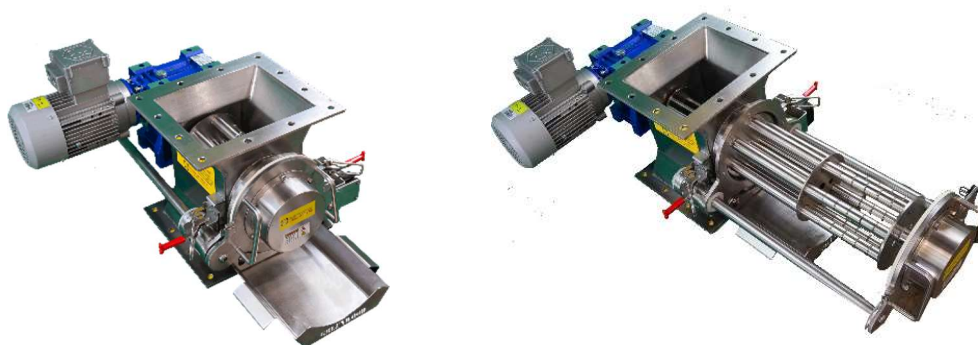
# EASY-CLEAN ROTARY MAGNET



## 10000 Gauss with ATEX 20 approval

The Greenwood Magnetics Easy Clean Rotary magnet approved for use in ATEX Zone 20 internal environments with contact magnetic strength of 10000 gauss.

As they need to be cleaned regularly to maintain efficiency, the easy clean facility makes this job much simpler and faster for the operatives, reducing downtime. It also improves operator health and safety by reducing the risk of cuts and abrasions which could possibly occur from removing sharp metal fragments from the powerful internal magnet.



*Registered design number 007214622*

The **10000 Gauss** Easy Clean Rotary magnet ATEX 20 is approved by notified body Intertek:

*"Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive"*

### Real-world performance

The Greenwood Easy-Clean Rotary Magnet is an inline magnetic separator used in vertical process lines for the extraction of ferrous and paramagnetic particles from dry product. It has been designed specifically for products susceptible to bridging such as **milk powder or starch**. The centrally mounted grid gently rotates extracting fine ferrous and semi-ferrous particles whilst ensuring that the product remains free flowing, avoiding bridging or clogging.

The new rotary magnet from Greenwood uses a 'scraper-plate' design which means that the easy clean magnetic tubes have a magnetic strength of **10000 Gauss**- tested and certified on **THE CONTACT SURFACE**.

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

**T** +44 (0) 1706 645 824

**F** +44 (0) 1706 642 458

**E** [sales@greenwoodmagnetics.com](mailto:sales@greenwoodmagnetics.com)



The Easy-Clean system allows the magnets to be readily extracted from the rotary unit so the ferrous and paramagnetic particles fall into a collection tray for easy removal and analysis. This delivers a better, faster method of cleaning, improving operator safety and efficiency.

The risk of explosion when handling and processing fine powders is well known. We believe the new Greenwood Rotary Magnet is the first to combine **10000 gauss** magnet strength with easy-clean technology in a unit that is approved for use in **ATEX 20** environments where dust/powder explosion risk is highest.

### **ATEX Quality Assurance Notification**

Intertek has also audited Greenwood Magnetics quality management system and confirmed it integrates fully with ATEX under Annex 1V in accordance with article 17 of the Directive 2014/34/EU.

### **FEATURES**

- Easily installed
- Easy clean facility
- Removable catch tray for collection /analysis of metal contamination
- High temperature versions up to 120 deg C
- Hygienic design
- Polished internal finish (other finishes available)
- FDA approved food quality seal (metal detectable also available)
- Optional: Fixed (not easy-clean tubes) to 12000 Gauss

### **SPECIFICATION**

- Bespoke design to suit application
- High Intensity Rare Earth Magnetic Material
- Can extract ferrous particles to 30 microns
- Up to 10000 Gauss on CONTACT Surface – other strengths available
- Housing and tubes manufactured from 304/316 stainless steel
- 415 volt three phase motor
- Flanged to suit specification
- Certified by Intertek to ATEX 20 internal, ATEX 21 external- other options available.