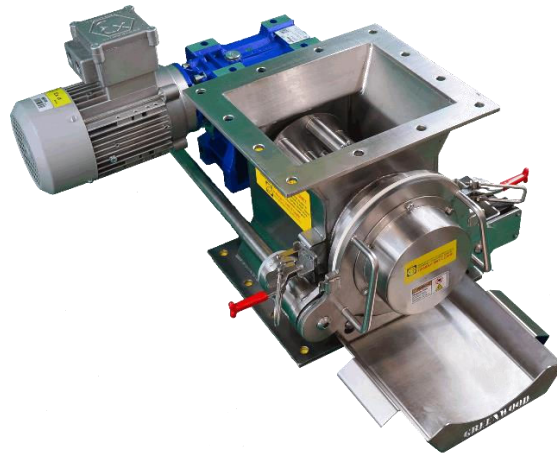




GROUND-BREAKING NEW PRODUCT FROM GREENWOOD MAGNETICS

SEMI AUTOMATIC EASY CLEAN 12000 GAUSS ROTARY MAGNET WITH ATEX 20 APPROVAL

Greenwood Magnetics are proud to launch a ground-breaking new rotary magnet **approved for use in ATEX Zone 20 internal environments**.



The **12000 Gauss** Semi-Automatic 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”

The design is protected by registered design number 007214622

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.

Class-leading safety

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 12000 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.

Class-leading magnet strength

The new rotary magnet also offers class leading strength. Many suppliers of industrial magnet systems quote the **internal** gauss of magnets in their products. This is the maximum available magnetic strength of the

magnets **inside the magnetic tubes**. However, this means the actual strength is reduced on the **contact** surface.

The new rotary magnet from Greenwood uses a 'scraper-plate' design which means that the easy clean magnetic tubes have a magnetic strength of **12000 Gauss**- tested and certified on **THE CONTACT SURFACE**.

Greenwood Easy-Clean technology

Greenwood 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.

ATEX 20:ISO9001 Integration

Intertek has also audited Greenwood Magnetics ISO 9001 quality management system and confirmed it integrates fully with ATEX under Annex 1V in accordance with article 17 of the Directive 2014/34/EU.

Real-world success

Greenwoods have already received their first order, even before the official launch of the product.

For more information about our new ATEX-certified rotary magnet, other bespoke magnets, manufactured to requirements or if you would like us to test and certify your existing magnets, please do not hesitate to contact us:

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