

EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- EU-Type Examination Certificate Number:** ITS19ATEX105046X **Issue 00**
- Product:** RM200/RM-250/RM-300/RM-350/RM-400/RM-450/RM-500
SRM200/SRM-250/SRM-300/SRM-350/SRM-400/SRM-450/SRM-500
SRMXT200/ SRMXT -250/ SRMXT -300/ SRMXT -350/ SRMXT -400/ SRMXT 450/
SRMXT -500 Easy Clean Rotary Magnets
- Manufacturer:** Greenwood Magnetics
- Address:** Unit 1, Buckley Road Industrial Estate, Rochdale, OL12 9EF
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 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.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 80079-36:2016 and EN 80079-37:2016 except in respect of those requirements referred to within item 14 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:



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Certification Officer: _____ **Date:** 5th November 2019
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SCHEDULE:

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11. Description of Equipment or Protective System

The Easy-Clean Rotary Magnets are 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 that are susceptible to bridging such as milk powder or starch.

The centrally mounted grid gently rotates at a typical speed of 28rpm, extracting fine ferrous and semi ferrous particles whilst ensuring that the product remains free flowing, thus prevent the product from bridging or clogging. Particles as small as 30 microns can be extracted, thus proving ideal for food and pharmaceutical applications.

Cleaning is a simple fast process. After stopping the product flow, the access door can be opened, and the rotary grid is removed from the housing. By sliding out the powerful rare earth magnetic rods, the metal contamination automatically falls off the tubes. Electrical safety switches are fitted to isolate the motor prior to access for cleaning.

The Rotary Magnet assemblies, with exception of the rare earth magnet itself and external components are fabricated from stainless steel, ether 316SS for pharmaceutical and food applications or 304SS for other applications. Thus, all product contact surfaces are stainless steel, except for the Garlock PTFE seals used on the drive shaft.

12. Report Number

Intertek Report: 104010162CHE-001 Dated: 29 October 2019.

13. Special Conditions of Certification

(a). Special Conditions of Use

- Equipment shall not be installed into a system with a fall height, above the equipment, greater than 10m.
- Rotational speed of the equipment shall not exceed 1m/s.

(b). Conditions of Manufacture

- No Conditions of Manufacture.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104010162CHE-001 Dated: 29 October 2019.

SCHEDULE:

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15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Rare Earth Semi-Auto Rotary Magnet User Manual	-	4.0	17/09/19
Standard EC Rotary (2 sheets)	RM-200	3	22/10/2019
Semi-auto Rotary (2 Sheets)	SRM-200	5	22/10/2019
ATEX Label	SRM-200-48	5	22/10/2019
Semi-auto Rotary XT (2 Sheets)	SRMXT-200	3	22/10/2019

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