

ROTOBOX AUTO CLEAN

Inline magnet system for
free fall applications

- Separates finest ferrous contaminants and magnetised stainless steel particles from bulk materials
- Automatically cleaning
- "plug & play" due to pre-programmed control unit
- Separation of products with non-free-flowing characteristics
- Always optimal contact between product and magnet
- As standard equipped with neodymium magnet rods
- Maximum separation performance with non-free-flowing products
- All parts in contact with product made of stainless steel (AISI 316L)
- High corrosion and wear resistance
- Cleaning intervals can be individually set depending on the level of contamination
- Compact design
- Certified for ATEX zone 20 application



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Performance characteristics:

The system ROTOBOX AUTO CLEAN is equipped with the strongest rare earth neodymium magnetic material. The magnetic flux density is 13700 gauss to allow even the attraction of finest ferrous particles. The system is manufactured by using 316L grade stainless steel, which is wear-resistant and unlikely to generate sparks (important for ATEX applications). The housing surface is brushed and the tube surfaces are highly polished. For the demanding use in the pharmaceutical industry Premium Magnets can offer this magnetic separator with a superior housing quality (improved surface treatment <math><0.6 \mu\text{m}</math>).

Cleaning of the system takes place by shuttling the magnetic cores inside the tubes into the cleaning area. This operation is controlled by a plc unit and can be easily adjusted to the customer's requirements.

For the inspection of:

Bulk materials; dry, non-free-flowing (bridging), powdery, fine-grained (grain size <math><6 \text{ mm}</math>), coarse-grained (grain size >math>6 \text{ mm}</math>), flaky, fibrous, crumbly.

Field of application:

The inline magnet ROTOBOX AUTO CLEAN is installed in process lines when ferrous contaminations or magnetised stainless steel particles shall be separated from material that tends to bridging or showing non-free-flowing characteristics.

Due to the rotation of the magnetic rods the unit prevents blockage, but still offers best separation results.

For application in:

- Plastics industry
- Food industry
- Chemical industry
- Pharmaceutical industry
- Wood industry
- Recycling industry
- Other industry sectors

