

## MAGBOX AUTO CLEAN

Inline magnet system for  
free fall applications

- Separates fine and finest ferrous metal contaminations as well as magnetized stainless steel particles
- Application in production lines for automated separation
- "plug and play" with pre-programmed control unit
- Extremely high magnetic flux density
- Cleaning intervals can be individually set depending on the level of contamination
- Best separation results due to offset design of magnetic rods
- High corrosion and wear resistance (AISI 316L)
- Compressed air is used to shuttle the magnet cores in their stainless-steel tubes into the cleaning area
- Compact design without any directly moving parts.
- Approved for ATEX Zone 20.



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### Performance characteristics:

To offer the best possible separation result Premium Magnets provides the MAGBOX AUTO CLEAN with strongest rare earth neodymium magnets (13700 gauss). The unit can be supplied in a single row or a double row version, whereby a double row system aims the more efficient result because of the configuration in an offset pattern. The system is manufactured by using a high polished 316L grade stainless steel. For the cleaning of the system the magnetic cores inside the stainless-steel tubes are shuttled into the reject area by compressed air. Via a scraper, the contaminations fall off and leave the unit before the cores are pushed back into the operation position.

### For application in:

Bulk materials; dry, free flowing, powdery, grainy.

### Application:

The magnetic separation system MAGBOX AUTO CLEAN is used in process lines for the efficient and automated cleaning of even finest ferrous contaminations from gravity fed bulk materials. A plc control system allows to adjust the cleaning cycle to the individual contaminated product batch. A potential free relay enables the user to connect the MAGBOX AUTO CLEAN to a remote-control unit or to a master display. The system is manufactured using 316L grade stainless steel to protect the unit against wear and corrosion. Furthermore, the high-quality standard permits the installation in food and pharmaceutical industries.

### For application in:

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

### For installation in:

Free-fall lines



Example: MAGBOX AUTO CLEAN