ADDITIONAL OPTIONS FOR SESOTEC FREE FALL APPLICATIONS

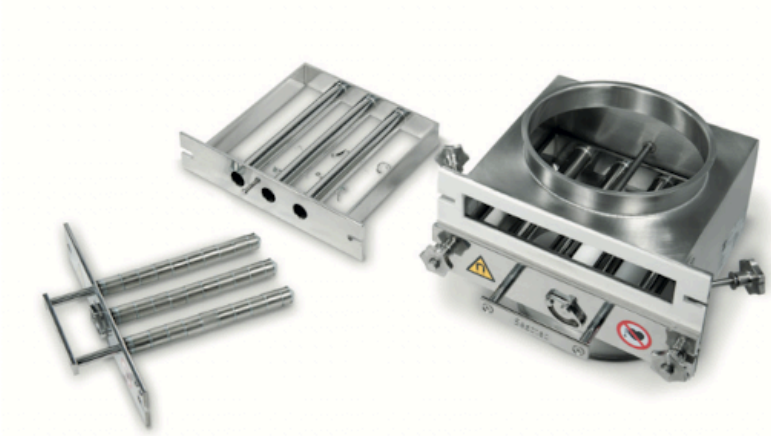
MAGBOX FOOD – Tubular magnet for free-fall applications

Our tubular magnets have been specially developed for free-fall applications and can be quickly and easily integrated into all production lines for powdery and granular bulk materials. Thanks to their extremely high magnetic performance, they reliably separate the finest magnetic metal contaminants from the bulk material falling through them.

Advantages of MAGBOX FOOD

By combining metal separators and magnetic separators, you benefit from:

- Significantly less loss of good material
- A lower stress on the excretory mechanics
- Thorough separation of fine and ultra-fine ferrous metal contaminants and even slightly magnetized stainless steel particles thanks to the high magnetic performance of up to 1,370 mT (13,700 Gauß)
- Applicable in ATEX up to zone 20



Magnet with Easy Clean

- The magnetic cores can be pulled out of the stainless steel sleeves by hand
- The impurities then fall off without any problems
- This Easy Clean function results in user-friendly, clean separation

INNOVATIVE TECHNOLOGIES FOR MAXIMUM DETECTION ACCURACY

Typical fields of application

The application matrix below shows the possible uses of the individual systems – metal detector, metal separators and pipe magnet – for various free-fall applications.

		Metal detector	Metal separators				Magnets
		Detection Unit RG	RAPID 4000	RAPID 5000	RAPID 6000	RAPID 8000	MAGBOX FOOD
	**Powder** poor flowability, may deposit in the separating unit, e.g. flour, powdered sugar, fine spices	✓	✗	✓	✗	✓	✓[1]
	**Sticky powder** poorly free-flowing, e.g. cocoa powder	✓	✗	✓	✗	✗	✗
	**Crystalline bulk solids** good free-flowing, e.g. salt, sugar	✓	✗[2]	✗[2]	✓[3]	✓[3]	✓[4]
	**Ground bulk materials** free-flowing, e.g. coarsely ground herbs, oat flakes, semolina	✓	✓	✓	✗	✓	✓
	**Grains** free-flowing well, e.g. rice, corn, coffee beans	✓	✓	✓	✓	✓	✓
	**Flakes** poorly free-flowing, tends to form „bridges", e.g. chips, popcorn, cornflakes	✓	✗	✗	✓	✓	✓[5]
	**Fibers and leaves** medium to poor flowability, e.g. tea	✓	✗	✗	✓	✓	✗
	**Larger pieces** medium free-flowing due to the size of the piece, e.g. nuts, pasta, dried fruits	✓	✗	✗	✓	✓	✗[6]

[1] design changes may be necessary (not possible in the standard version)
[2] Wear of the damper seal is to be expected
[3] with wear-protected sensing tube
[4] with wear protection coating
[5] depending on the concrete size of the pieces (not possible in the standard version)
[6] depending on the size of the pieces, design changes may be necessary (not possible in the standard version)