

New Magbox inline magnet is a hot topic

S+S Magbox MXP inline magnet also available in high-temperature version

Schönberg, November 2010

At the K-2010 trade fair in Düsseldorf S+S Separation and Sorting Technology GmbH presented the Magbox MXP inline magnet in a completely re-engineered version.

Magbox MXP inline magnets primarily are used in (already existing) pipelines where they thoroughly separate fine and very fine ferrous metal contaminations from powdery and grainy bulk materials. They are integrated in the pipelines by way of flat flanges, Jacob connections, or customer-specific connections. The sturdy stainless steel construction (1.4301) provides highest corrosion and wear resistance. The MAGBOX MXP inline magnet as a standard is equipped with two neodymium magnet grids that are positioned in staggered arrangement one above the other to achieve a maximum level of separation. Stephan Treml, Product Management S+S Magnet Systems, about this inline magnet: "In the re-engineering of the Magbox inline magnet we attached greatest importance to quality. The modern, functional design and manufacture are 100 percent S+S made in Germany. The design with lateral guide frames inclusive of ergonomic handles allows easy, well-balanced and safe handling. Like a protective cage this frame furthermore protects the magnet rods against impacts." All the Magbox system versions are provided with magnet grids featuring pull-out magnet cores (EASY CLEAN), which considerably facilitates and speeds up system cleaning.

As an option the Magbox MXP inline magnet also is available with high-temperature magnets. The high-temperature (HT) version of the magnet system reliably removes metal particles from very hot plastic granulate and thus protects processing machines against damage. As magnet material the Magbox HT high-temperature version uses a rare-earth compound with a magnet power of more than 10,000 Gauss. The maximum service temperature, which is the highest temperature that a magnet may be exposed to without an irreversible loss of power, is 350 °C. In simple applications ferrite magnets with a magnetic power of only 2,000 Gauss are often used. Compared to ferrites, rare-earth magnets are considerably more temperature-stable and more powerful.



Very easy cleaning of the Magbox MXP inline magnet due to ergonomic handles and well-balanced design. (Photo S+S)

S+S - an overview

S+S Separation and Sorting Technology GmbH of Schönberg, Bavaria, manufactures machines and systems for the detection/separation of contaminants, for product inspection, and for the sorting of material flows. Product sales primarily focus on the food, plastics, chemical, pharmaceutical, wood, textile, and recycling industries. S+S is one of the world's leading suppliers with subsidiaries in Great Britain, France, China, Singapore, and in the USA, a representative office in India, and more than 40 agencies all over the world. The main factory in Schönberg presently employs 230 people.

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