



Food

Product safety has top priority in the dairy industry



Milchwerke Schwaben eG

Product: P-SCAN RG

Milchwerke Schwaben has a long and storied history. As early as 1922, dairy farmers in Ulm, Germany joined together to form a cooperative that would make it possible to produce dairy products with greater efficiency. This merger resulted in a company whose products meet the tastes of consumers throughout Germany and abroad.

At Milchwerke Schwaben, the farmers are not only suppliers of milk, a valuable raw material. They are also co-owners of the entire dairy. Over 800 milk suppliers deliver their fresh milk to the cooperative every day. They all have one thing in common: a passion for first-class dairy products!

Milchwerke Schwaben processes 410 million kilograms of milk and whey each year. On average, the nearly 200 employees annually produce 65,000 tons of yogurt and desserts, 5,000 tons of butter, 33,000 tons of cheese, and 23,000 tons of milk and whey powder.

The problem: No product safety without metal detection

Dairy manufacturing involves demanding quality and safety standards regarding all equipment and processes. Especially with a high number of suppliers, regular inspections are the be-all-end-all of a safe production process. The dairy industry has been a leader in quality and hygiene for many years, taking its responsibility for safe and high-quality products very seriously. Milchwerke Schwaben is no exception here.



Inspections take place at several risk control points in order to ensure the safety and purity of the products

Metal detection must be installed at various checkpoints to control for the quality of dairy products. Butter and rice pudding, for example, are transported through pipelines prior to filling. In order to ensure these packaged products are free of metallic contaminants, metal detectors are used.

The solution: metal detectors installed in pipelines for safe end products

Within the production line that transports butter and rice pudding, Sesotec P-SCAN RG metal detectors are installed in the pipelines at various points and in different positions (horizontal or vertical).

P-SCAN RG detects magnetic and non-magnetic metal contaminants at the highest performance levels, thus ensuring product quality and protecting against complaints. The equipment is built from glass-beaded stainless steel with protection class IP 65, thereby meeting the standards of the food industry and offering easy adaptability for any pipeline.

With 34 different coil sizes for all common nominal pipe diameters, the metal detector can be perfectly integrated into existing production lines.

The high-tech electronics of the GENIUS+, in combination with a metal detector, makes for a highly precise and robust metal sensor. Automatic selection from two or three search frequencies provides the highest sensitivity for all types of metal, even when inspecting butter and rice pudding, products whose processing temperatures result in a high degree of product effect.



Sesotec metal detector P-SCAN RG installed in a vertical conveyance pipeline

Enclosed in machine housing and free from corners and edges where residue can accumulate, the hygienic design of the P-SCAN RG metal detectors meets customer requirements for CIP (clean in place).



Sesotec metal detector P-SCAN RG installed in a horizontal conveyance pipeline

Flexibility in installation, detection performance, and hygiene made Sesotec's offer the best choice.

The customer benefit: Metal detection makes products and processes safer

From retailers to end-consumers, product safety requirements are becoming increasingly stringent. "In order to remain competitive, we have to meet the highest quality standards. Without product safety, there is no certification," says Jürgen Knupfer, Head of the Fresh Products Department. Meinrad Schuler, Head of the Butter Production Department adds: "With intelligent metal detection technologies, Sesotec helps us keep our production processes safe, efficient, and compliant with guidelines."

Sesotec GmbH
Regener Straße 130
D-94513 Schönberg
Tel.: +49 8554 308 0
Fax: +49 8554 308 2606
Mail: info@sesotec.com

Sesotec - an overview

The Sesotec group is one of the leading manufacturers of machines and systems for contaminant detection and material sorting. Product sales primarily focus on the food, plastics, and recycling industries.

www.sesotec.com



Metal detection systems



X-ray inspection systems



Sorting systems



Magnet systems