

Bahlsen Ensures High Quality Standards

Supported by METTLER TOLEDO PI Division



Bahlsen, a Hanover based company, is one of Germany's most reputable biscuit and cake producers with extremely high product quality and production processes. These very high standards reflect their choice of production line equipment – Garvens checkweighers and Safeline metal detectors supply this equipment and ensure these standards.

Bahlsen has been manufacturing sweet bakery products since 1889. Key success factors have always been the innovative product concepts combined with new ideas. In 1904 the company pioneered biscuit packaging with the introduction of the moisture-proof TET ("eternal") packaging for their biscuits. In 1905 Bahlsen introduced, as the first European company, conveyorised production lines. The production philosophy of Bahlsen demands a fully documented and consistent development of its production and distribution processes in accordance with the high quality standard EU-ISO 2001 and the International Featured Standard, Food (IFS). Bahlsen has two core brands, Leibniz and Bahlsen, and is a full-range provider with a very strong market position, distributing products worldwide.

Garvens checkweighers and Safeline metal detectors support quality and innovativeness
Bahlsen is a world leader continually setting new standards with regard to quality and innovation. Bahlsen makes extremely high quality demands on its products and processes – and hence its suppliers – using guidelines set by the British company Marks & Spencer renowned



Production of the famous "Leibniz biscuits"



Automatic weighing solution for "ABC" sweet bread letters

Bahlsen GmbH

Checkweigher and Metal Detector

Regulatory Compliance and Brand Protection



Reliable metal detection for "Leibniz Zoo" biscuits



Large user friendly touchscreen weighing terminal

among others for their pioneer work in developing the HACCP guidelines (Hazard Analysis Critical Control Point). Bahlsen was looking for a flexible dynamic weighing solution combined with metal detection for its production site in Barsinghausen near Hanover.

Quick and easy product change-over

Many well-known products from the Bahlsen and Leibniz branded product families, such as the crispy Leibniz "butter biscuits", Leibniz Pickups, Leibniz Zoo and ABC "Russian bread" letters, are made in Barsinghausen. The vast range of different Bahlsen products makes high demands on the weighing and metal detection technology. The checkweigher must be able to accurately weigh a wide range of different products and weights (20 to 750 g) and the metal detector must take into account the many varying product effects. These constantly changing

product variables are no problem for the METTLER TOLEDO checkweigher with easy-clean design which fulfils the requirements of the Bahlsen product managers for weight control and excellent detection sensitivity.

The checkweigher is accurate to within 300 milligrams, weighing up to 300 packs per minute, automatically rejecting overweight or underweight product packs by means of an air jet. Simultaneously the Safeline metal detector, with its multi-frequency technology, ensures that Bahlsen products are free from metal contamination, detecting even the smallest metal contamination in products. Contaminated products are immediately rejected by an air jet blowing them off the production line into a catch bin with keylock.

Process safety hand in hand with process simplification

Some very useful auxiliary functions for the frequent quality controls were developed by Mettler-Toledo Garvens GmbH in accordance with Bahlsen's own production and quality related specifications. These technological advances resulted in process optimisation, saving a significant amount of time and money: for example the specially designed catch bins with automatic test shutters which facilitate the regular quality tests by preventing products to be tested from dropping into the locked catch bins, saving the time for unlocking the door and manual picking the product test samples out of the catch bin. The checkweigher also has a reminder function: it automatically reminds the user of due quality tests ensuring that these quality tests are performed at regular intervals.

More information:

► www.mt.com/pi



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