

Bizerba, where versatility meets innovation

**Accurate
right down
to the last
tenth of
a gram**



CHECKWEIGHER - Accurate right down to the last tenth of a gram

When every gram counts, Bizerba, a specialist in weighing solutions, leaves nothing to chance because we know that nothing saves money like a checkweigher in your food processing environment. These systems do not only check the weight of the product but they can also be integrated to check product contamination before your food products reach the plates of your customers. Delivering consistent quality products is essential to protect your brand and your bottom line. That means knowing the weight of a packaged product being shipped out the door matches the weight on the label. A checkweigher weighs every product in motion. It classifies, counts and rejects products that are off spec, which helps

you meet throughput and legal requirements while providing reliable weight control.

The development of checkweighing technology means that checkweighers can play far more extensive role in the packaging process. Some of the most recent models are capable of providing a wide range of data monitoring and analysis for every pack that goes across the checkweigher. This can help to improve Overall Equipment Efficiency (OEE), monitor packing line performance, enhance the profitability of production lines and generally enable manufacturers to manage their operations more efficiently.

In the meat sector, for example, this analysis function may highlight the fact that a beef burger is consistently over its target weight. This in turn can help to

identify a potential problem in the production process and ensure that action is taken to rectify this sooner rather later.

Bizerba CWP Neptune checkweigher has a particularly hygienic design and supports manufacturers in preventing contamination in unpackaged and easily perishable foods such as mince, fish, poultry, baked goods and dairy products, so that they remain fresh for longer.

Towards Food Industry 4.0 – Helping to build intelligent Plants

Alongside universally networked machines, it is more important than ever to have suitable software in order to administer intelligent plants. For instance with our software BRAIN2, Bizerba offers a cloudbased platform for the manufacturing industry to capture and store data

for maximum transparency. For the first time, this gives our customers the opportunity to save their machine backups and status reports in the cloud – a major benefit for data security, defect analysis and startup processes for new equipment. In big manufacturing companies with dispersed locations, machine parameters often get changed, whether accidentally or through installation at a new location. With automatic, cyclical transferring of data backups in the cloud, customers no longer have to manually carry out and save data backups.

Running Lean - Performance instead of downtime

The essence of lean is cutting out any expenditure of time, effort, or funds that doesn't add to, or maintain, brand or product value. In this context 'value' is any aspect of your brand or product that a customer is prepared to pay for. Effort you apply to anything that doesn't add value is wasted effort.

There have been various types of waste (a list that includes inefficiency and overproduction) that lean practitioners should eliminate. This is very crucial specially in the meat processing industry, where every second counts. Unplanned machine downtime can mean that meat spoils because it was not processed in time which means a waste and profitability drops.

New service models with machineto-machine (M2M) technologies increase the availability of equipment and reduce costs. Greater efficiency, lower costs – networked communication between technical equipment has enormous potential for meat industry, a paradigm shift is on the horizon, especially in terms of service. M2M makes it possible to continuously monitor the current state of devices, analyse results and present this information as a basis for planning.

Saving packaging waste – Production Optimization

As in case of our checkweighers, the system picks out portions with incorrect weights and feeds them back into the production flow before they have even been packaged. This saves packaging

waste, as manufacturers normally don't register incorrectly weighed goods until after packing and have to unpack them, if that's even possible. The CWP Neptune is equipped with the WE-FOOD interface – a new standard for recording operating data in the meat production industry – and can be connected to the company's data processing structure easily as a plug-and-play device.

This is another step towards production optimization which guarantees that you won't miss a thing in terms of giveaways since you have access to detailed overview and clear signals if there's a need to optimize your production process. The weight measurements can be documented without loopholes, meaning that in the event of doubt, companies can prove that each batch left the factory with the correct weight. Imagine the spirit of Bizerba open world, benefit from complete transparency and optimize your production.

FOCUS ON HYGIENE – A must, rather a choice for food companies

For food, 304 grade steel is an austenitic stainless steel with added nickel and is recognized for providing the optimum balance between hygiene and cost. It is therefore a material of choice for food factories around the globe. At Bizerba, we eliminate bacterial contamination when weighing highly perishable foods by setting world class standards in design and hygiene. When using conventional food technology, there is often a problem with bacteria collecting in edges and corners. With IP 69K protection, Bizerba uses tabular structures, so the water flows off the sloped sections and nothing gets trapped. Because of these attributes, one out of every two food packages has come into contact with Bizerba along the line

from processing facility to the supermarket shelf.

For years, Bizerba has been the number one choice of food manufacturers and several checkweighers solutions can be found in the production lines across the world. Each system is individually designed and integrated into the production line to meet the requirements of the specific application.

Discover the diverse applications and enormous potential to simplify your processes and optimize them to meet global standards.

About ZULTEC

Zultec group is Head Quartered in Saudi Arabia with offices spanning around 23 global locations. We are the leaders in food processing and packaging technologies, serving some global conglomerates since last 30 years. Zultec partners with Bizerba, a worldwide leader in weighing and labelling technologies. Bizerba manufacturers retail scales, slicers, weigh price labeling equipment as well as checkweighers, industrial scales and software.

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