

OHAUS SUPPORTING QUALITY CONTROL IN FOOD PROCESSING

Food Processing is a highly scrutinized industry with rigorous government oversight and regulations to ensure consumer and worker safety. Manufacturers must implement and rely on quality control measures for their products and processes to remain compliant with the strict standards set by regulatory agencies. It is these quality control guidelines that allow food manufacturers to minimize contamination risk as well as, provide food that is safe to consume and high in quality to consumers.



It is essential that manufacturers implement standard operating procedures and incorporate the highest quality measuring instruments, to ensure reliable and recorded results and to guarantee consistency across batches. As government agencies closely monitor these procedures, the product's quality status must be reviewed and documented throughout all stages of the production process.

The two most common sets of requirements for oversight are GMP (Good Manufacturing Practices) system and HACCP (Hazard Analysis and Critical Control Point). OHAUS acknowledges these requirements when developing precision weighing and measuring instruments for the food industry.

ENSURING QUALITY

Quality control is integral to every step of food processing, including procurement, development, production, and distribution. After carefully selected raw materials are approved, the production team will formulate the finished product by following standard operating procedures for ingredients, recommended weights, batch size, and process time. Not only do the SOP's need to be carefully documented, but so does the ongoing manufacturing process to ensure consistency and compliance, and also to identify the cause should an issue arise. Labelling is also heavily regulated. The information on the outside of the package such as the consistency and weight, must be matched by the finished product.

To support food manufacturers, OHAUS offers a wide range of durable, reliable measuring instruments to be utilised in a number of processing applications. From research and development, testing, packaging, warehousing, shipping and more.

Having worked with the food processing industry for decades to help support safety, efficiency, throughput and profitability, OHAUS offer solutions for improving consumer safety, product consistency, and quality control.



SELECTING THE RIGHT INSTRUMENTS

OHAUS offers a range of Precision and Analytical Balances, designed specifically for the Food Industry. They are durably constructed and designed for ease-of-use and high precision results. OHAUS offers models that are certified by NSF to support HACCP systems and are also USDA-AMS accepted. These scales are designed with smooth, unobstructed surfaces that are easy to clean and free of areas where material can build up and cause contamination. Below are just a few of the high-performance food scales and Moisture Analysers from OHAUS.

For high capacity, heavy duty food weighing up to 150kg, OHAUS offers the Defender 6000 series of Bench Scales. Specifically designed for food processing, the Defender 6000 handles the most demanding applications with a 316 stainless steel platform and frame and durable 316 stainless steel or food grade polycarbonate indicator. Defender 6000 Bench Scales are available in a range of platform sizes, weighing capacities, readability capacity, and special features to meet your specific requirements. The Defender 6000 is also designed to handle high pressure washdowns and harsh cleaning agents, whilst also meeting the metrological standards for legal-for-trade applications with a laser-sealed stainless steel IP68 and IP69K load cell.

Defender 6000 Bench Scales feature large bright displays and colour checkweighing indicators for easy readouts and efficient work. Software modes include counting, percent weighing and even filling. Communication is simple with a range of connectivity options and GLP/GMP data output with real-time clock for processing tracking and traceability.

The scale is loaded with special features for convenience and safety, including 150% overload capacity protection, menu and key lock, selectable environmental and auto-print settings, stability indicator, overload/underload indicators, auto shut-off, auto tare, and adjustable rubber feet.

SELECTING THE RIGHT INSTRUMENTS

For back of the warehouse package weighing of heavy load pallets, OHAUS accommodates food manufacturers with heavy duty stainless steel floor scales.

Defender 3000 Floor Scales are well-suited to basic industrial applications with painted carbon steel or stainless steel, raised tread surface with four IP67 alloy steel load cells or stainless steel load cells, fixed top plate (5 mm thick) with structural bracing that ensures a stiff and solid construction. These floor scales are available in a range of platform sizes and capacities, as well as washdown models. Results are clearly shown on the large, bright backlit LCD display on the new i-DT33 indicators. In Checkweighing mode, display changes color (yellow/green/red) to alert users when they are within the target weight range.

Defender 5000 Floor Scales are designed to handle even the most demanding industry applications. With four IP68 electro-polished stainless steel load cells that are laser-weld hermetically sealed. Defender 5000 Floor Scales are equipped with TD52 series indicator with an easy-to-use keypad, large backlit display and plain text on-screen prompts for guided operation. The combination floor-pit mount design offers versatility for portable or stationary placement, above or below ground installation. Washdown models are also available.

To further support quality control and industry compliance, OHAUS offers a range of compact Moisture Analysers with intuitive features to help you monitor quality and consistency through moisture content analysis. With Halogen lamp heaters, durable construction, and easy-to-read displays, OHAUS MB Series Moisture Analysers offer a range of capacities, readability, and pan sizes to meet your requirements.

SHOP TODAY

OHAUS commercial instruments are designed to help you meet demands for food safety, quality and regulatory compliance. OHAUS Scales and Moisture Analysers provide efficient solutions for nearly all aspects of food processing - material receiving, formulation, quality control, filling, batching, basic weighing and checkweighing.

OHAUS precision weighing and measuring instruments for food are dependable, easy to set up and use, and reliably precise to help you maximize yield and minimize waste.

All products listed within this article are available at European Instruments. Shop today to discover a range of innovative instruments, designed by OHAUS to specifically support food manufacturers comply with the strict regulations of the Food Industry.

Contact us using the details below if you have any questions, or would like to request a quote for the products outlined in this article.



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