



NEWS RELEASE

What a Combination – Loma Systems CW³ Checkweigher and Metal Detector

Loma Systems, leading suppliers of metal detection, checkweighing and X-ray inspection equipment, are proud to announce the launch of their state-of-the-art checkweighing and metal detecting system, the CW³ combination Checkweigher and Metal Detector. Providing superior and reliable product inspection in a compact and space saving design making it the most technically superior combination unit on the market.

Designed specifically for the food production industry, the compact and fully accredited CW³ combination saves valuable line space and offers the benefit of adapting to a wide range of different products because of its variable frequency metal detection and its versatile checkweighing capabilities. This system features the superior performance and accuracy of a CW³ Checkweigher with the high sensitivity of an IQ³⁺ Metal Detector. This unique arrangement eliminates the expense of a separate conveyor for the metal detector. The checkweigher measures product weights quickly and precisely; rejecting "out of tolerance" products, while the metal detector consistently detects and rejects contaminated products.

The high speed and accuracy of the CW³ combination Checkweigher and Metal Detector, coupled with the easy to use single touch screen interface with dual controls for both machines, makes product change fast and simple. Additionally, this simplifies and speeds up data entry and operator training, significantly reduces possible operator errors and increases productivity. It also quickly and easily provides documentation and statistics on production quality.

The metal detector's variable frequency sets it apart from its competitors. Products can be automatically calibrated in a matter of seconds, allowing for optimum speed and efficiency. Frequency data for many different products can be stored allowing for ease of operation and optimum sensitivity across a variety of products. This also ensures minimum set up time when inspecting different products.

The checkweigher is incredibly versatile being able to weigh a wide range of flexible and rigid packs up to 1.5 kg. The unit is available in line heights of between 700mm to 1200mm and system lengths of 1900mm to 2900mm and has a capacity to inspect up to 400 products per minute. Output signals from the metal detector and checkweigher operate independent

rejects. One rejects metal contaminated products, while the other rejects off weight products. This feature keeps metal contaminated products separate from potentially reusable off weight products. It comes with three reject options; an Air Blast, Pusher or a Diverter enabling compatibility with different types and sizes of products.

A clear benefit of a combined system is the low cost of ownership and the cost saving compared to a separate checkweigher and metal detector. In addition, to the ease of maintenance and high reliability, the flexibility of the design ensures that changes in the line layout can be accommodated.

As with all Loma machines, the CW³ combination Checkweigher and Metal Detector is designed to survive, offering the utmost levels of reliability and system performance. Built with heavy-duty conveyor components and high quality electronics; it is designed for tough industrial environments, meeting IP65 environment wash down specifications.

The CW³ combination has an industry standard OPC (Object Linking and Embedding for Process Control) system allowing operation managers to readily and easily integrate the equipment into existing factory data capture networks. These reports are often requested by major multiples to ensure quality levels are being maintained and upheld. Loma has recognised a data capture system is integral to ensure an accurate quality control regime that can be accessed simply and quickly.

Loma have created the optimum space saving food inspection solution in this combination system by incorporating their leading metal detector and impressive checkweigher into one single open framework. This enables food manufacturers to allocate space for additional machinery, allowing for amplified productivity and factory floor space to be optimised, creating a safer, practical working environment. Furthermore, the compact design of the machinery and its innovative quick release belts allow for simplified cleaning procedures. The combination of two innovative machines in one provides a cost-effective solution for any food processor.

Metal contaminants are potentially dangerous and are a frequent cause of consumer complaints. A quality control system such as the CW³ combination is essential for food manufacturers, allowing for early identification of foreign bodies during the production process. The machine includes a performance validation system (PVS) which automatically prompts the operator to test performance at pre-set intervals, conforming to HACCP standards and producing detailed records of any contaminants found.



Simon Spencer, Managing Director of Loma Systems comments, 'Loma's CW³ combination Checkweigher and Metal Detector is the most technologically advanced system on the market. We have used our expertise to combine innovative metal detection technology with renowned checkweighing knowledge to launch a machine that offers a comprehensive and efficient solution to the food industry, satisfying the highest level of quality assurance'.

Loma Systems is a world leader in the design and manufacture of in-line inspection equipment. With a comprehensive range of Metal Detectors, Checkweighers and X-ray systems, Loma is committed to providing the most efficient and cost-effective solutions for all food product inspection requirements. Loma offer a second to none service and maintenance packages and a full range of aftermarket services are also available to support the unit throughout its lifetime.

For more information about Loma please visit our website: www.loma.com.

