



## **NEWS RELEASE**

### **LOMA LAUNCHES NEW X<sup>4</sup> X-RAY INSPECTION SYSTEM**

Demonstrating their dedication to producing the best inspection systems that the market has to offer, Loma launches its most up-to-the minute X-ray system, the new X<sup>4</sup>. The new X<sup>4</sup> range offers the very latest advances in X-ray technology, coupled with the highest levels of accuracy, reliability, safety and longevity that Loma is reputed for.

X-ray systems are becoming increasingly popular as the top choice of inspection system due to their ability to reliably and efficiently perform the multiple functions of separate 'traditional' inspection systems simultaneously. The new Loma X<sup>4</sup> range gives customers all of the assurances of a Loma-quality inspection system, with the added benefits of features that are the very latest technology on the market today.

Featuring a revolutionary new high speed USB sensor and Windows XP operating system, all models have an intuitive graphical touch screen display, available in a variety of languages. The X<sup>4</sup> is available in belt widths ranging from 300mm to 600mm, with apertures heights to 250mm, meaning it has the flexibility to work effectively on a wide variety of production lines. Product set-up is an automated process and can be accomplished with minimal operator training. The machine has a mere 30 seconds start up time, and the ability to hold thousands of product memories. Product change-over and set up can be further simplified with the addition of an optional bar code reader.

The high-speed technology maximises sensitivity to both metal and non-metallic contaminants such as glass, stone, calcified bone, high-density plastics and rubber. Its advanced image processing and simple set-up

routines, and ability to detect other product defects such as component count, zone mass measurement and shape conformity, are all available within the standard package; aiding a reduction in customer complaints and allowing the user to enhance brand protection. Reject systems will also provide separate reject signals for each type of non-conformity so that contaminated and improperly packaged products can be kept separate.

The main advantages an X-ray machine has over metal-detectors are its capacity to detect non-metallic materials and ability to work with products and packaging materials that metal detectors find difficult. X-ray machines are not affected by the common limitations of metal detectors; for example, foil or metalised film packaging, and products with a high conductivity (i.e. wet products) do not cause any degradation in the machine's performance.

The EU now requires all food businesses to implement a documented food safety management system based on the principles of Hazard Analysis and Critical Control Point (HACCP), and leading European supermarkets are driving through X-ray inspection as a 'Code of Practice' for foil or metallised product packaging, meaning reliable and more sensitive X-ray technology is increasingly in demand. Compliant with European standards and with HACCP principles, the Loma X<sup>4</sup> ensures that reliability and speed of production are not compromised, whilst offering cutting edge inspection technology.

The X<sup>4</sup> system is robust, reliable, hygienic and simple to use, offering customers a sophisticated, easy-to-operate and multi-functional inspection system. As with all Loma's products, customers benefit from Loma's high level of before and after sales service, and receive a tailor made solution to their X-ray inspection requirements.