OPPORTUNITY IS READY TO CHANGE THE RULES OF FOOD SORTING THANKS TO ARTIFICIAL INTELLIGENCE

Opportunity, the brand new optical food sorter manufacted by Raytec Vision, is going to change the rules of food sorting.

The first innovative aspect of this machine is artificial intelligence (Deep Learning) based on self-learning which ensures a 100% product quality control. Opportunity is able of to perform a real-time "identikit" of each product, on each side. This enables to identify even the slightest defect and presence of necrotic in any part of the food's shape.

The great advantage of artificial intelligence, is that the machine is "trained" with the acquisition of many images and easily adapts to the growing needs of quality control. Thanks to the roller belt (spin belt) that makes products rotate, and matrix cameras that capture the entire frame of the rolling product, the machine enables increased product quality, completely replacing manual sorting.

Opportunity can be adapted to the selection of different types of products. With its compact design and ability to communicate with other machines, Opportunity can be easily placed within processing lines to contribute to complete production automation. The sorter is available in three different versions and since its official launch during the 2023 edition of Fruit Logistica in Berlin, it has been already gained a great success among tomato producers.

In fact, its very first installation, has been at Sica, a well-known Italian tomato producer. The application on peeled tomatoes has allowed the company not only to perform highest standards of quality and safety, but also to increase production efficiency maintain low energy consumption levels.