

Innovative sorting solutions and grading technologies for fruits and vegetables.



PRESS RELEASE
MACFRUT 2026
HALL B1 – BOOTH 075

UNITEC at Macfrut 2026: technologies that create value for the entire fruit and vegetable supply chain

UNITEC renews its forty-year presence at **Macfrut 2026**, confirming its commitment to developing highly technological solutions capable of generating value and tangible results for the global fruit and vegetable industry, with an increasingly central focus: meeting the end consumers' expectations and ensuring an experience that aligns with their preferences.

100% Made in Italy, 100 years of know-how ... and the awareness that every fruit is special

Together with its **UNI ROBOTICS** and **UNISORTING** divisions, the company covers **every phase of the fruit and vegetable handling process**, from project design to production of mechanical, electrical, electronic, and software components, to advanced automation systems, robotics, traceability as well as external and internal quality selection of each fruit through ultra-high-definition vision systems.

A continuously evolving range, also thanks to the use of the latest generation Artificial Intelligence models that accelerate processes, optimize costs, and place the shelf-life of each fruit at the center. UNITEC's distinctive value lies in its **integrated supply chain vision**, with **automated lines** that handle products **from intake to packing** with gentleness and speed, maximizing profitability for Packing Houses, enabling them to reach even the most demanding markets, and providing large-scale retailers with products that align with end-consumer preferences.

Behind every fruit, there can be a UNITEC technology designed to:

innovate, simplify, optimize!

The numbers speak for themselves: over 450 billion fruits are selected every year by UNITEC technologies - about 55 fruits per person worldwide annually. On average, a significant percentage of sorted fruits do not meet fresh market standards. Thanks to our technologies, these fruits can be redirected to other uses, reducing waste and losses: with UNITEC technologies, 50 billion fruits are revalued every year.

UNITEC at Macfrut: innovation and dialogue serving the fruit and vegetable industry

Macfrut represents an important opportunity for exchange and dialogue with industry players, where UNITEC showcases its latest technological innovations developed in response to an increasingly demanding and competitive global market:

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Our quality is certified.



➤ **VISION 4.0 AI**

Artificial Intelligence redefining external quality selection standards

The highlight of this edition is VISION 4.0 AI, the latest evolution of UNITEC's selection platforms: an AI-powered system capable of identifying and separating external defects with unprecedented accuracy. Result: perfectly sorted fruits and vegetables, greater consistency in standards, and faster operations. Featured at the booth is the **Cherry Tunnel with CHERRY VISION 4.0 AI** that, thanks to CHERRY VISION 4.0 AI, can scan 100% of each individual cherry with maximum precision through advanced Artificial Intelligence models.

In addition to standard parameters, it is now possible to select even hard-to-detect cuts and insect damage - previously impossible to identify automatically.

Approximately 13% of harvested cherries cannot reach consumers in good condition; every year, thanks to CHERRY VISION patented solutions, we not only prevent the waste of over 20 billion cherries but also protect the market image of this exceptional fruit.

➤ **Internal quality selection systems "UNIQ"**

UNITEC lines equipped with UNIQ technology enable highly reliable internal quality selection while fully preserving the integrity of each fruit.

At the trade show we are presenting the **Avocado Tunnel with UNIQ AVOCADOS**, whose key strength lies in detecting "dry matter," a parameter not visible to the naked eye.

UNI ROBOTICS – intelligent automation

UNI ROBOTICS, brand of UNITEC Group, develops robotic solutions designed to support daily operations in fruit and vegetable packing houses, making workflows smoother and more precise while reducing the risk of product damage.

Automated packing and palletizing enable workforce optimization while relieving operators from physically demanding tasks.

Technologies on display:

➤ **UNI SMART PACKER – PACKING ROBOT**

UNI ROBOTICS, brand of UNITEC, presents an innovative packing solution, a phase where the use of robotics is becoming increasingly common. UNI SMART PACKER reduces the need for labor in repetitive, high-intensity tasks, while ensuring consistent production.

➤ **UNI SMART TRAY FILLER combined with the AUTOMATIC CELL TRAY DENESTER**

Automatic filler that allows to pack different varieties of fruit such as apples, peaches, and nectarines, in cell trays or in cell trays inside crates. Fruit picking and placement into cell trays is performed thanks to a multi-head robot with a "pick and place" function, that can adjust the coordinates of picking/placement based on the size and format of the package being handled. Incoming fruits are channeled and singularized on a transport system: thanks to the integrated vision system, they are oriented correctly and prepared to be collected. This technology is characterized by high capacity (number of fruits per minute) and optimized use of space.

➤ **UNI SAMPLE FRUIT**

This technology inspects the surface layer of the fruits contained in the crate using an optical acquisition system. The parameters analyzed include **size**, **color**, and **external defects**. It is also possible to integrate **Brix degree** and **acidity** upon request. The system will issue a sampling report for the crates analyzed in the batch being examined.

By our Customers' side: We work for your results!

The UNITEC Group is organized into operational units that carefully oversee all main stages of the production chain, up to after-sales, ensuring professional and efficient service.

Customer proximity is ensured through a structured support system with 20 branch offices in the most important countries of the fruit and vegetable industry (Washington, California, and Oregon in the USA; France, Spain, Portugal, Chile, Argentina, South Africa, Peru, Türkiye, Australia, and Canada), along with a commercial structure that enables the Group to connect with Customer needs in over 65 countries worldwide.

“We work for your results” is not just a claim, but a promise delivered every day: producers that are more competitive, exporters that expand into new markets, and local companies that grow into global players.