

Fresco Handheld Sensor

A portable tool for flexible quality control of fresh fruit

LOOK INSIDE A FRESH FRUIT WITHOUT CUTTING IT

Applicable Fruit

- Avocado (validated)
- Mango (validated)
- Pear (validated)
- Tomato (validated)
- Apple (in validation)
- Citrus (in validation)
- Blueberry (planned)
- Melon (planned)
- Grape (planned)
- Stone fruits (planned)

Fields of application

- Breeding
- Farming
- Packhouses
- Import/Export
- Retail
- Fruit processing

Quality attributes

- Brix
- Firmness
- Dry Matter
- Juiciness
- Acidity
- Internal defects



Fresco Microwave Sensing

Fresco sensors are based on a unique and proprietary sensing technology, based on microwaves, that allows to look inside fresh fruit without cutting them.

With the fresco approach it is possible to investigate properties related to ripening stage, shelf life, flavour and internal defects instantaneously.

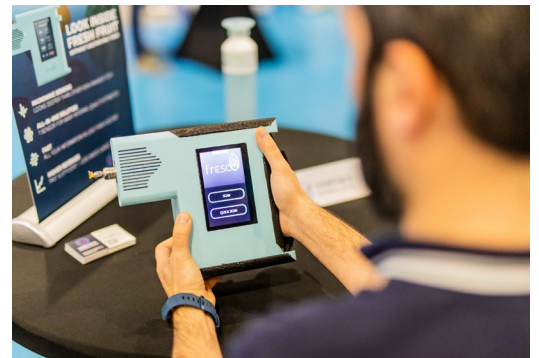
Our sensors can be implemented as handheld devices to address the needs of the entire fresh fruit value chain.

Fresco Handheld Sensor

Our handheld sensor represents the most flexible and accurate solution for internal quality inspection of fresh fruit. Being lightweight, portable and battery powered, it can be used seamlessly in the orchard, directly on the plant, or in packhouses, to measure fruit before or after packing, as well as in all sorts of warehouses and labs.

Highlights

- Portable and lightweight
- Long battery life (>5 hrs)
- Insensitive to light conditions
- Deep penetration in fruit pulp (>2 cm)
- Fast reading (< 200 ms)
- One sensor for all fruit and attributes
- Large display to instantly visualize (batch) results



Roll-out plan

Our Fresco Handheld Sensor is not commercial yet. We plan to start pilot sales for applications on Avocado and Mango by Q4 2022, and then follow up with other fruits in 2023 (among them, Apple, Pears, Oranges and Tomatoes). We are looking for pilot partners willing to support us in collecting data to quickly create accurate models for all of our users, and all of the fruits of interest.

Contact us!

If you want to know more, or you are willing to support us with pilot testings, please contact us or follow us on social media. We will be happy to set up a call to discuss your needs and all possibilities

Email: fresco@vertigo-tech.com

Website: <https://fresco.vertigo-tech.com>

Linkedin: <https://www.linkedin.com/company/vertigo-technologies-b-v/>