



Hyper Vision

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Our TOP of the range model guarantees the elimination of all defects, offering a level of efficiency never before achieved on the market. Hyper Vision is a Sorma Group patented system that selects the fruit according to internal and external quality, as well as recording diameter/colour and shape.

Through the powerful Sormatech deep learning algorithms and thanks to the use of a considerable number of video cameras – 9 for each sorting machine line, 3 in colour and 6 NIR cameras – it analyses each point of the fruit's skin at the same time, along the whole length of the band of visible and invisible light. The platform acquires and analyses overlaid hyperspectral images in both the visible region and NIR (an analysis method that exploits the interaction of the material with the radiations of the nearby infrared) for each fruit that rotates beneath the inspection system. The incredible precision in identifying flaws goes hand-in-hand with formidable speed: 15 fruits per second/line. Thanks to the exclusive Sormatech Hyper Map system, up to 108 images are processed for each product, making for a total of 1620 shots per second, per line. The result is a 360° vision of the fruit surface, which makes it possible to detect, classify and combat the slightest imperfection. The technology used allows fruits to be discarded if they show excessive ripening zones that cannot be detected by normal visual inspection, thereby allowing the fruit and vegetable companies to organise export plants to international markets with a complete guarantee of product quality, even after several days spent travelling.

Ideal for

- Persimmons
- Passion Fruits
- Tomatoes
- Pomegranades
- Avocado
- Kiwi
- Mango
- Apples
- Peppers
- Pears
- Potatoes
- Onions
- Oranges
- Lemons
- Limes
- Mandarins
- Grapefruits
- Peaches
- Apricots
- Plums

Certifications



Our machines are intended for contact with food and comply with the relevant Community legislative provisions: - [EC Regulation 2023/2006](#) – good manufacturing practices for materials and objects intended to come into contact with food products; - [EC Regulation 1935/2004](#) – concerning materials and objects intended to come into contact with food products; - [EU Regulation 10/2011](#) and subsequent amendments – concerning plastic materials and articles intended to come into contact with food products.

Sorma Usa

📍 231 Kelsey St, Visalia, CA 93291, United States

✉ sorma@sormaitalia.com

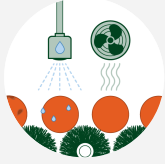
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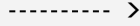


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Previous



Treatments

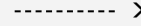


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Sormatech optics

Optical sorting



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Optical sorting