



Crux Agribotics develops and integrates advanced automation systems for the horticulture and fresh produce markets. A growing world population, combined with scarcity of resources, raises the complications of our future food chain. There will not be enough workers, land, water and fertilizers to feed all the mouths of the world unless we change the way we grow, produce and process food.

A controlled sorting and packaging process with increased yields and minimized waste are essential to secure continuity and are the basis of sustainable and profitable growth.

Crux Agribotics is a manufacturer of automation systems for handling fruits and vegetables, built on 35+ years of experience in high-tech systems. Our award-winning SortiPack® system for automatic grading, sorting and packing is a game changer in the horticulture market, replacing traditional and labor intensive processes in the packing hall. The technology includes advanced robotics, computer vision, data and artificial intelligence (AI).



A modular robotic system for automatic Grading, Sorting and Packing fruits and vegetables.

- Saves up to 80% on labor
- Gently handles a broad range of fruits and vegetables
- Optimal package weight and uniform presentation through high-tech grading and sorting algorithms
- Provides process optimization data and extensive produce data
- Connected for remote monitoring and servicing
- Built with A-brand hardware components, containing specialized gripper technology and combining Computer Vision with machine learning. All to ensure the best possible packaging for your fresh produce



“With SortiPack, we need less people and have more flexibility.

Our process runs much more smoothly now.”

Kees Vahl, Gebroeders Vahl B.V., Cucumber grower

SortiPack® for Beef Tomatoes

Beef tomatoes are prone to post-harvest damage due to punctures and bruising and require gentle handling. The sorting and packing process is labor-intensive which brings many challenges: labor costs and scarcity, worker management and virus risk. SortiPack® decreases labor, damage and weight giveaway, so beef tomato growers can focus on their produce.

The SortiPack® system for beef tomatoes scans and classifies tomatoes directly from the harvest crates, eliminating the need to tip the crate and risking damaging the fruit. Robots gently pick the tomatoes from the harvest crates and pack them into the correct customer packaging.

SortiPack® can simultaneously pack multiple packages for different customers and select tomatoes by weight, size and color class. Completed customer packages are transported to the palletizing area and empty harvest bins are stacked and automatically redirected to the harvest carts for re-use.

The AI algorithm divides tomatoes into the best possible packing combinations. This results in a more uniform looking customer packaging and lower weight giveaway compared to manual packing.



Scan to experience
the SortiPack line
in 360°



Advantages of SortiPack® for Beef Tomato growers

SortiPack® for beef tomatoes uses vision, AI and robots to pack tomatoes directly from harvest crates into customer packages. It can sort by weight, size and color and fill customer packages in an optimized way, staying consistent all day, every day.



Less Labor

Saves dependency on- and costs of human labor



Decreased giveaway

AI-powered packing algorithm creates optimal packing combinations with minimal weight giveaway



Less damage

Less post-harvest damage and longer shelf life due to gentle handling and picking directly from harvest crate



Uniform result

Sorting is done by computer, removing human interpretation or errors



Track & tracing

Reliable data essential for food safety and retailer security



Continuous production

The system can operate 24/7 making it more flexible to deal with peaks and seasonal trends

**“We’re very happy with SortiPack,
it helps us save a lot of labor.**

**We now have SortiPacks running
at 3 different locations”**

Bart van den Bosch, A&G van den Bosch B.V.
Beef Tomato grower



Scan to see the video



Crux Agribotics is a proud member of Kind Technologies

Kind Technologies is a Dutch AgTech group with over 180 highly educated employees, primarily engineers and technicians. As an original equipment manufacturer (OEM) in the Agritech industry, Kind Technologies operates worldwide.

Kind Technologies delivers advanced automation with Robotics, Computer Vision, Data & AI. Systems and IP are developed in-house and delivered turnkey around the globe, including value added integration and support services.

Together we enable a world where plants, fruits and vegetables are better distributed, and advanced automation technology addresses overall resource scarcity.

We call that mission: Be Kind to the World!



Leading companies in our group are:

