



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® Cucumber

The cucumber sorting and packing process is labor-intensive which brings many challenges: labor costs and scarcity, worker management and virus risk. SortiPack® decreases labor and can handle many types of customer packages simultaneously, so cucumber growers can focus on their produce.

SortiPack® Cucumber scans, grades and sorts every individual cucumber using Computer Vision and AI. Robots gently pick the cucumbers and place them into the customer packaging in the desired stacking pattern.

SortiPack® simultaneously packs multiple packages for different customers and selects cucumbers by weight or size. Completed customer packages are transported automatically to the palletizing area. A part of the cucumbers can also be redirected to manual packing stations for special packaging needs.

SortiPack® gathers data from all individual cucumbers for the best sorting and packing solution. Moving forward, data like size, volume, weight, origin and packing location can be used to optimize the supply chain; downstream for optimizing the yield and harvesting process, and upstream for track and traceability functionalities.



Scan to experience
the SortiPack line
in 360°



Advantages of SortiPack® Cucumber

SortiPack® Cucumber uses vision, AI and robots to grade and sort cucumbers and place them in various crates and boxes. It can sort by weight and dimensions and fill customer packages in different patterns while staying consistent all day, every day.



Less Labor

Saves dependency on- and costs of human labor, and can work 24/7



Multiple box types

Handles various plastic crates and cardboard boxes simultaneously



Stacking patterns

Stacks cucumbers into different customer-specific patterns



Superior grading

Excellent weighing accuracy and 3D vision to assess dimensional properties



Data-driven decision-making

Match harvested produce real-time to customer orders



Track & tracing

Reliable data essential for food safety and retailer security

**“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:

