



High-tech automation solutions for food

Leverage automation to simplify your processes, enhance efficiency, and meet the food challenges of the future.

Securing tomorrow's resources

As the global population rises and climate pressures intensify, the world faces an urgent challenge: how do we produce more food with fewer resources? Arable land is shrinking, labor is scarce, and the demand for sustainable practices is more significant than ever.

In this era of transformation, the food sector stands at the forefront of a global shift, where technology, precision, and sustainability must come together to secure the future of food.

Turning even the most demanding challenges into breakthroughs



Tackle labor shortages and costs

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Maximize throughput

With advanced automation and AI-driven vision systems, you can streamline tasks like sorting, grafting, and harvesting. This means higher yields, fewer manual steps, and smarter use of your resources.



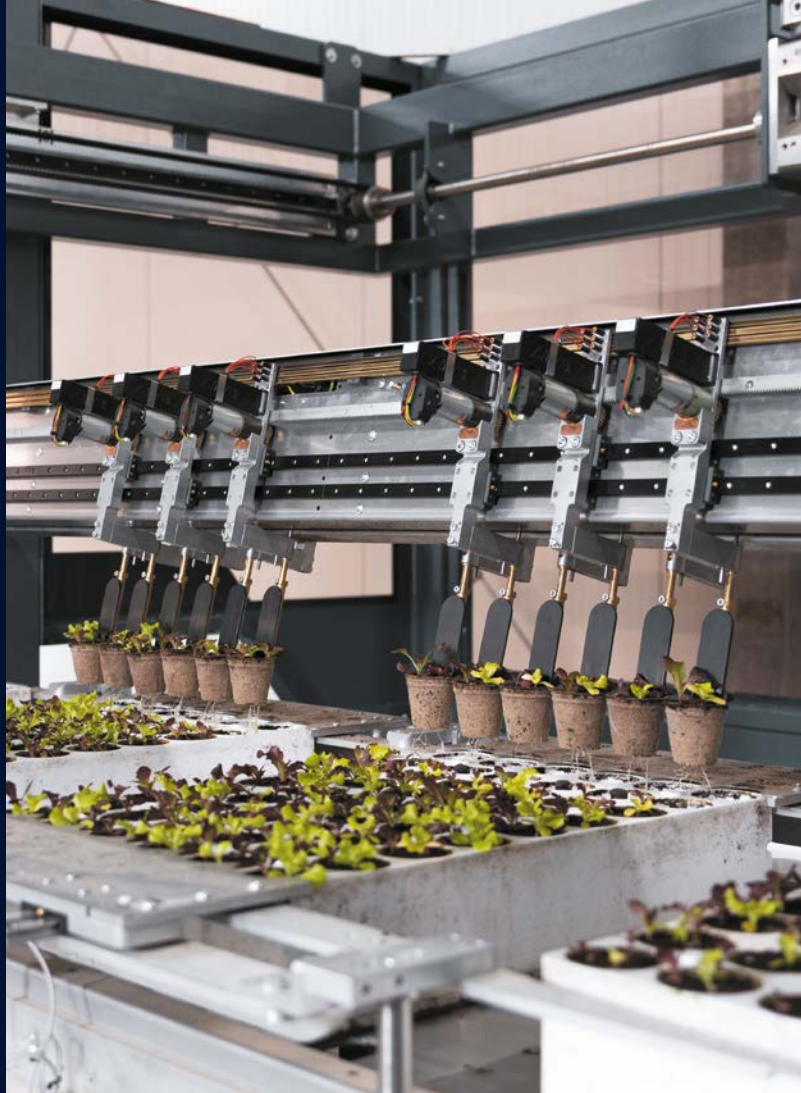
Ensure food safety

By limiting human interaction and controlling movement across hygiene zones, automation helps you safeguard food safety at every step. Fewer hands in the process means lower risk of contamination, more consistency, and a cleaner, more controlled production environment.

High-tech food automation solutions

At TTA-ISO, we're passionate about the food sector and its incredible potential to shape a more sustainable future in food production. That's why we develop advanced automation solutions tailored for greenhouse horticulture and CEA facilities. Our high-tech equipment supports the efficient production of soft fruits, leafy greens, herbs, and greenhouse-grown vegetables—crops that demand high precision and consistent quality.

By automating essential processes such as sowing, grafting, sorting, harvesting, and packing, we empower growers to scale operations, reduce dependence on manual labor, and meet the rising global demand for fresh and nutritious food.



FlexSorter

12k plugs per hour



Streamline your workflow with the FlexSorter: transplanting and selecting multiple grades, all in one smooth operation.



MaxSorter

6k - 12k plugs per hour



The MaxSorter is a fully automated solution that transplants and sorts young plants into a maximum of four grades.



Midi

4k – 40k plugs per hour



The Midi is a high-speed transplanter designed for fast and accurate transplanting into trays, packs, pots, floats, and mobile gutters.



bHarvest

0,25-0,30 m/s



The bHarvest is an advanced harvester for indoor-grown crops, featuring multiple conveyors and easy side access for clean, efficient operation.



HarvAI®

Up to 450 vines ph



Tomato harvesting reinvented

The HarvAI® harvesting robot integrates precise ripeness detection, intelligent navigation, and seamless compatibility with existing greenhouse infrastructure. With a cycle time of 450 vines per hour and the capability for one operator to oversee multiple harvesting robots, it maximizes efficiency while minimizing crop damage.



High-Speed Grafter

4k grafted plants per hour



The High-Speed Grafter is the first fully automated machine for grafting both above and below the seed leaves, using vision AI and robotics to deliver up to 4,000 grafted plants per hour.

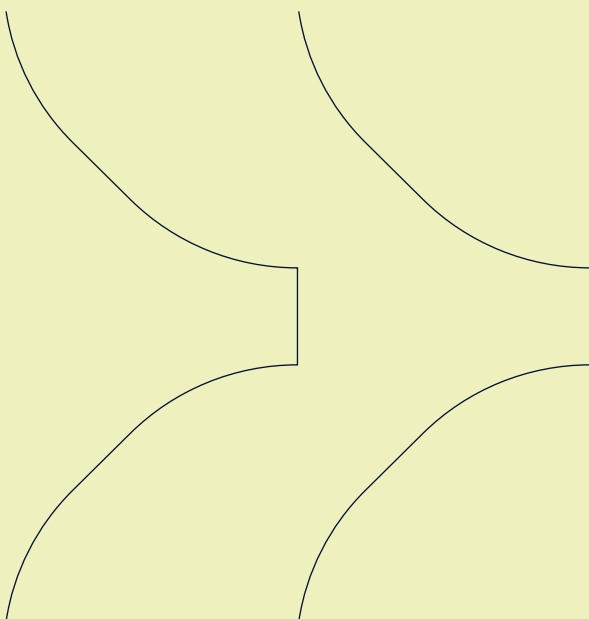


High-Speed Clipper

4k clipped plants per hour



The High-Speed Clipper processes up to 4,000 clipped plants per hour, utilizing advanced vision technology and robotics to ensure reliable, high-quality results.



To feed a growing world with fewer resources, we must tackle labor shortages, rising costs, and sustainability challenges head-on. Together, we can innovate to ensure a future where food production is efficient, accessible, and sustainable for everyone.



Renko Schuil

Sales Manager Food



About TTA-ISO

Born from the merger of two pioneers, TTA and ISO, we are a force of innovation, driven by a shared vision: to remove the barriers that hold growers back. Labor shortages? Inefficiencies? Rising costs? We don't see these as obstacles— we see them as opportunities to create smarter, more sustainable automation solutions.

With a team of over 250 professionals across the Netherlands, North America, South America, Australia, and the Emirates, we provide global automation solutions.

Together, we transform ideas into technologies that empower our customers to grow smarter and more sustainably. From advanced robotics to AI-driven systems, our solutions are designed to grow beyond limits.

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