

High-tech automation solutions for horticulture and food



Empowering ambitious growers worldwide

Labor shortages, rising costs, and the demand for efficiency are transforming horticulture and food production. Innovation is no longer optional but essential. Producers and growers everywhere are looking for smarter ways to scale, improve consistency, and maintain quality in a constantly changing world.

That's where TTA-ISO comes in. We develop advanced automation solutions that combine robotics, vision technology, and AI to simplify complex processes and unlock new potential across industries. From transplanting and grafting to handling and packaging, our machines are designed to enhance productivity, create possibilities, and deliver reliable, high-quality results.





Beyond Limits

At TTA-ISO, we believe there are no limits to what technology, collaboration, and bold thinking can achieve. Every challenge in horticulture and food production is an opportunity to push further, think bigger, and grow beyond what was ever thought possible.

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.

Beyond limits isn't just about technology. It's about people, partnerships, and progress. It's about working together to redefine what's possible and to help our customers scale beyond expectations.

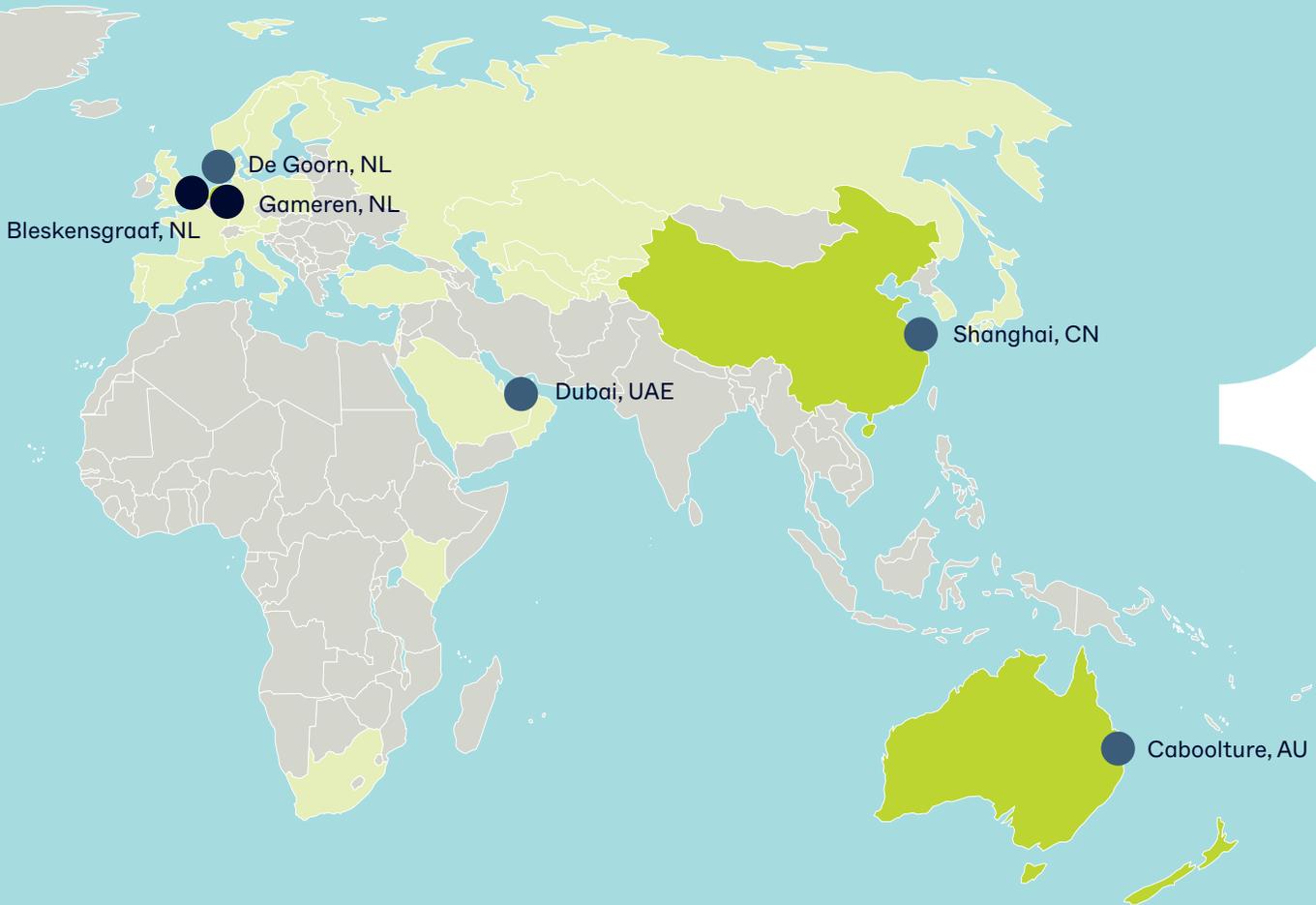


As a global leader in horticultural automation, TTA-ISO combines Dutch engineering with strong global representations, offering growers a trusted partner to scale their operations and achieve ongoing success anytime, anywhere.

- Headquarters
- Sales & Service
- Countries with offices and clients
- Countries with clients



Proudly represented worldwide



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.



Transplanting plugs



08 Transplanting cuttings

12



Harvesting

24

Discover our high-tech automation



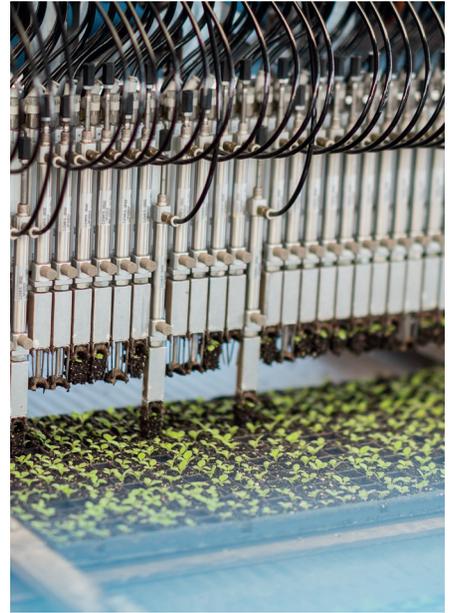
Sorting

16



Grafting

20



Germination correction

22



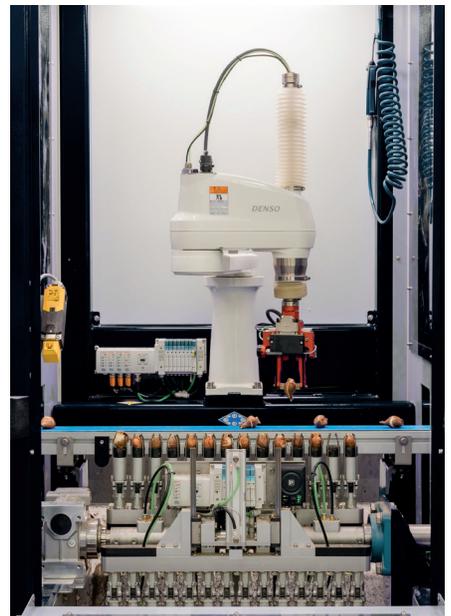
Pot & tray handling

26



Packing

28



Various

30



Transplanting plugs



Robot Plug Planter



18k plugs per hour

The Robot Plug Planter ensures a healthy plant that takes root quickly and develops more roots.



FlexPlanter



3k - 30k plugs per hour

Transplanter that combines transplanting and selecting.



FlexPlanter XF



10k - 30k plugs per hour

Ultra-high-speed transplanting line which transplants young plants into different grades.



FlexFixer



3.5k per hour

The FlexFixer is a flexible, vision-controlled correction unit designed to seamlessly follow your transplanting line.



MidiCurve



3k - 8k pots per hour

Circular pot filler as well as transplanting over a conveyor belt for packs.



MidiFlat



4k - 40k pots per hour

TTA-ISO's most popular transplanter.





MidiPot



3k - 16k pots per hour

Plants in a linear potting machine.



MidiVision



5k - 40k plugs per hour

Allows for a combination of selection and transplanting.



PackPlanter



10k - 60k plugs per hour

Transplanter that provides speed, simplicity and flexibility.



PackPlanter S



10k - 20k plugs per hour

Flexible transplanter for all sorts of young plants.







Transplanting cuttings



CuttingEdge



1.8k - 2.5k cuttings per hour

Single cutting planter with a capacity of 1.800-2.500 cuttings per hour.



VisionAir



VisionAir uses advanced vision technology and precision air jets to separate plant cuttings automatically.





Cutting and Planting 1800



1.6k cuttings per hour

A cutting and planting machine that ensures consistent, high-quality cuttings.



Cutting Planter 4000



3.6k cuttings per hour

Automatic cutting planting of chrysanthemums.



Cutting Planter

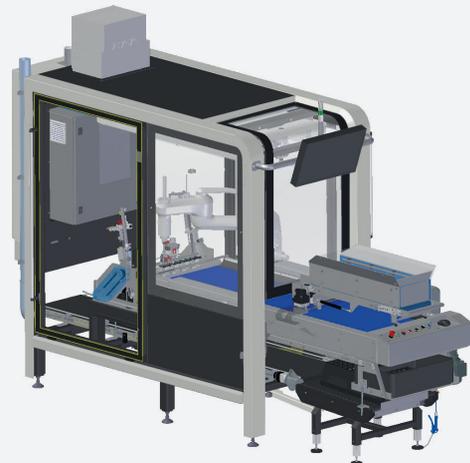


2.8k cuttings per hour

The revolutionary automatic Cutting Planter.



Cutting Planter Eucalyptus



3.2 - 3.5k cuttings per hour

The revolutionary automatic Cutting Planter Eucalyptus.





Manual Sticking Line

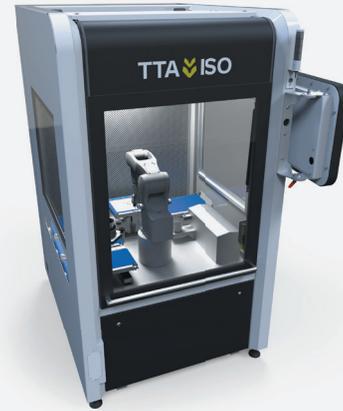


Varies

A double conveyor system with stop positions for individual trays and corresponding work positions.



TC Planter



1.8k explants per hour

Tissue Culture Planter with a capacity of 1.800 explants per hour.



Cutting and TransPlanter



A planting machine that combines cutting and transplanting in one machine.





CuttingEdge



Cutting Planter Eucalyptus

Sorting



FlexSorter



3k - 12k plugs per hour

Transplanting, gapping up and packing.



FlexSorter XF



10k - 30k plugs per hour

Ultra-high-speed grading line.



FlexPlanter



3k - 30k plugs per hour

Transplanter that combines transplanting and selecting.



MaxSorter



6k - 12k plugs per hour

High-speed grading machine.



Grade 8000



The most advanced sorting machine from TTA-ISO.



Sorter and Planter



8k cuttings per hour

Revolutionary automation in cutting and sorting.



MidiVision



5k - 40k plugs per hour

A combination of selection and transplanting.



FlowerBuffer



A flower buffer for sorting and bunching cut flowers.





Grafting



High-Speed Grafter



4k grafted plants per hour

The world's first fully automated grafting machine.



High-Speed Grafter AC



4k grafted plants per hour

High-Speed grafting solution that delivers precise, hygienic grafts above the cotyledons using advanced vision and a carousel system.





High-Speed Clipper



4k clipped plants per hour

High-speed clipping solution processing up to 4,000 plants per hour, combining advanced vision technology with robotic precision for consistent, high-quality output.



Graft Single



1k grafted plants per hour

The Graft Single is a semi-automatic grafting machine designed for young vegetable plants.



High-Speed Grafter



Germination correction



CombiFix

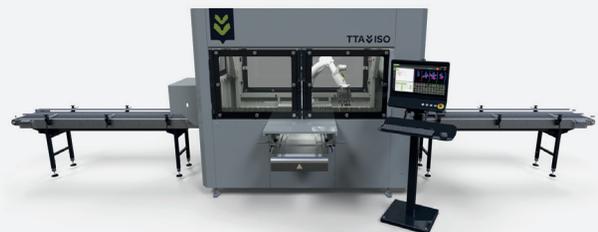


12k - 20k plugs per hour

Trays up to 100% with qualified plants.



FlexFixer



3.5k per hour

The FlexFixer is a flexible, vision-controlled correction unit designed to follow your transplanting line seamlessly.

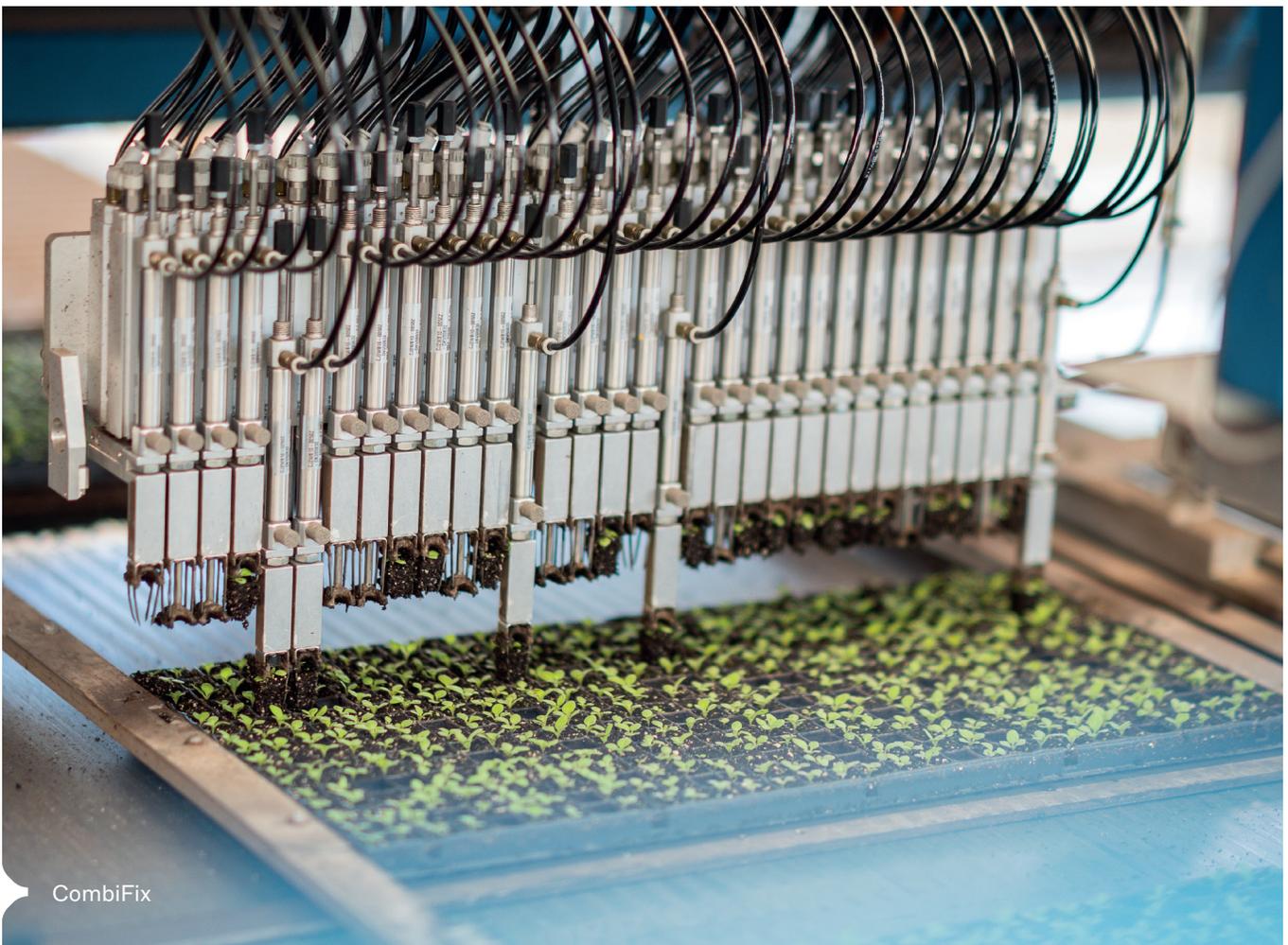


Mobile Blow Out



600 trays per hour

The Mobile Blow Out identifies and extracts missing plants from trays, preparing them for manual fixing.



CombiFix



Harvesting



HarvAI®



450 vines per hour

Breakthrough in automated tomato harvesting.



bHarvest



Varies

A revolutionary new way of harvesting indoor-grown crops.





Pot & tray handling



PotDestacker



2.2k pots per hour

A compact machine designed for swift and precise destacking of pots.



TLF



800 trays per hour

TLF table and trolley loading system for flats/trays.



LINR



1k - 10k pots per hour

High-speed linear moving picking & placing robot.



PotSorter



3k pots per hour

A high-quality fully automatic grading line for pots.



HS4



4k handles per hour

Automatic application for handles on bedding plant packs.



PackDestacker



4k packs per hour

High-speed destacker for bedding packs.





Packing



FlexSorter Packing



20k plugs per hour

High-speed packing machine with a vision selection system for young tree plants.



MidiPacking



4k - 40k plugs per hour

Flexible packing machine for different kinds of plants.



BulbPacker



16k - 20k tulips per hour

Automatically removes tulips from crates and positions them on a delivery belt.



BulbPacker

Various



Argos



Innovative solution for scanning and analyzing trolleys.



FlexFiller



Up to 30k pots per hour

High-speed template filler.



Watering line



1k - 10k pots per hour

A high-quality conveyor system in a stainless-steel drip bin.



PlantSampler



3k pots per hour

Automating the sampling process of young plants for DNA material collection.



Bulb Planting System



12k bulbs per hour

Tulip Bulb Planting with unmatched speed and precision.



Drill Unit



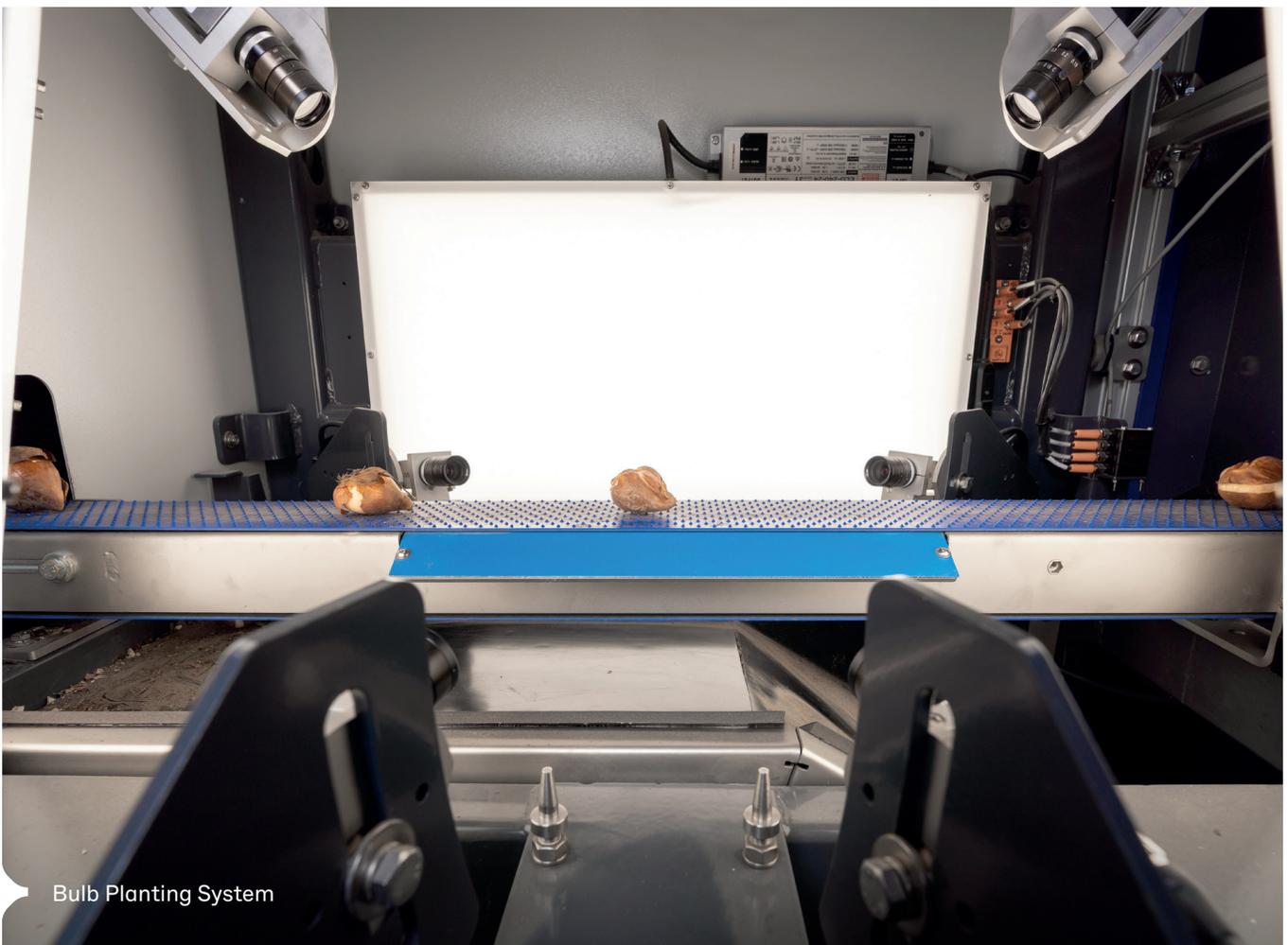
700 trays per hour

Comprehensive solution for drilling & dibbling.

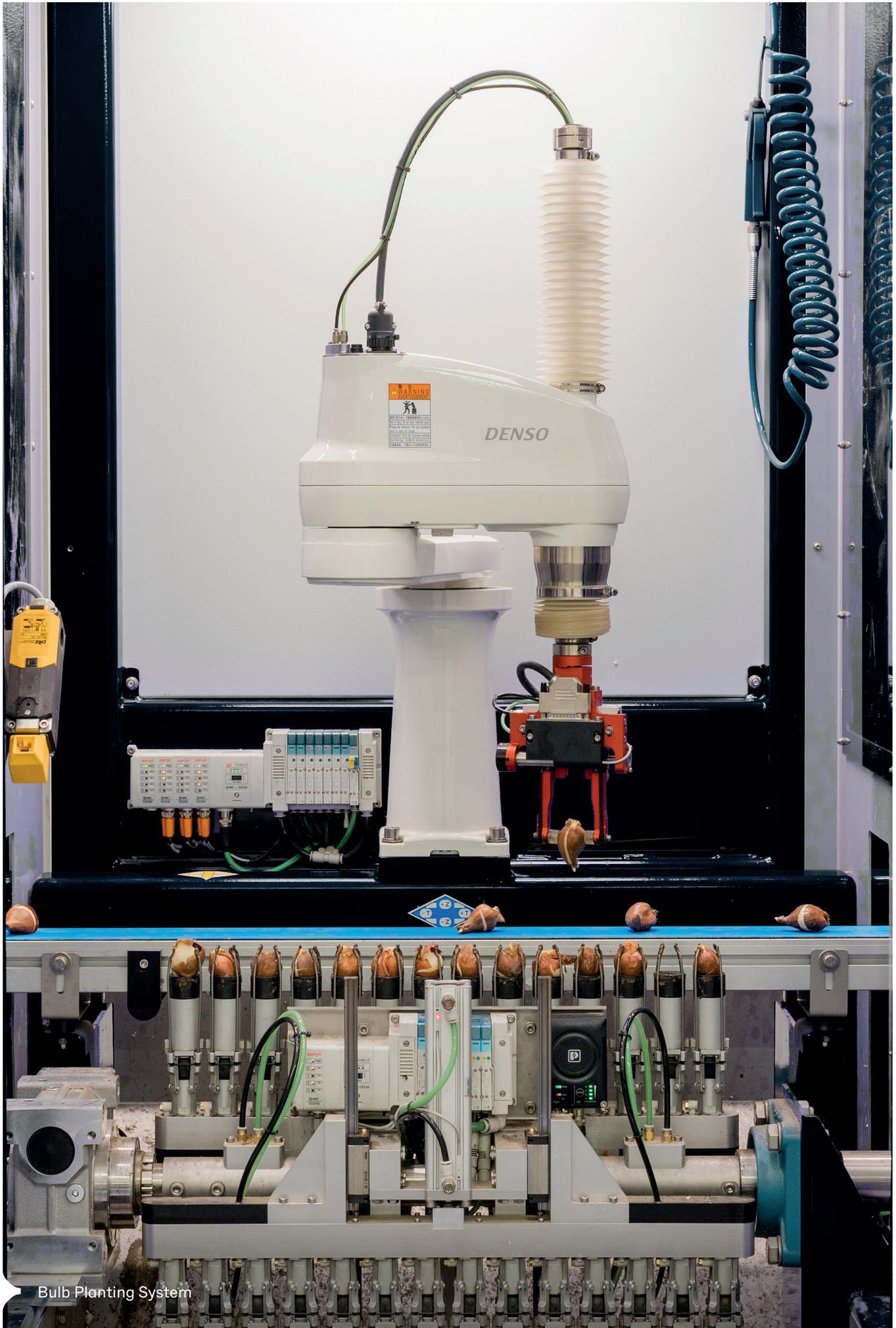




Bulb Planting System



Bulb Planting System



Bulb Planting System

Sectors we serve

Ornamentals

At TTA-ISO, we're committed to helping ornamental growers succeed in a quickly changing industry. With rising labor costs, a shortage of skilled workers, and growing demand for consistency, automation has become essential.

That's why we develop advanced automation solutions tailored for ornamental production. From transplanting plugs and cuttings to sorting young plants, our vision-driven robotics optimize efficiency and provide consistent, reliable results. By automating these key processes, growers can expand their operations, cut labor dependency, and produce uniform, high-quality plants, batch after batch.



Discover more about Ornamentals



Bulbs and Cut flowers

The Netherlands has been a leader in the global bulb and cut flower industry for a long time. However, even in this sector, growers face increasing pressure due to rising labor costs and a shrinking pool of skilled workers.

We streamlines some of the most time-consuming and labor-intensive steps in bulb production. With systems like the Bulb Planting System, which places tulip bulbs into crates, and the BulbPacker, which removes and positions bulbs for further processing, we streamline every stage. By automating these essential tasks, growers can reduce labor dependency, enhance precision, and produce high-quality flowers and bulbs.



Discover more about Bulbs and Cut flowers



Food

TTA-ISO combines technology, precision, and sustainability to shape a more sustainable future in food production. Our equipment is designed for greenhouse horticulture and CEA facilities, supporting the efficient production of soft fruits, leafy greens, herbs, and vegetables.

By automating key processes such as sowing, grafting, sorting, harvesting, and packing, growers can scale operations, reduce reliance on manual labor, and use resources more efficiently to meet the growing global demand. Automation also enhances food safety by limiting human contact and controlling movement across hygiene zones, reducing the risk of contamination and ensuring a cleaner, more consistent production environment.



Discover more
about Food



Carbon and Forestry

We support forestry nurseries in meeting the growing global demand for carbon capture and sustainable fiber. As large-scale forest plantations expand, nurseries face increasing pressure to boost production, maintain quality, and work more efficiently.

TTA-ISO develops advanced automation to keep up with this demand. Using vision technology and robotics, our systems sort seedlings by quality, automate transplanting, and optimize spacing to improve uniformity and yield, even when working with variable seed material. By minimizing manual handling and plant loss, automation helps nurseries scale sustainably and make the most of their valuable growing space.



Discover more about
Carbon and Forestry





Get in touch

Ready to take your operations to the next level with cutting-edge automation?
Let's talk — we're ready to help you grow beyond limits.

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