

# 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.

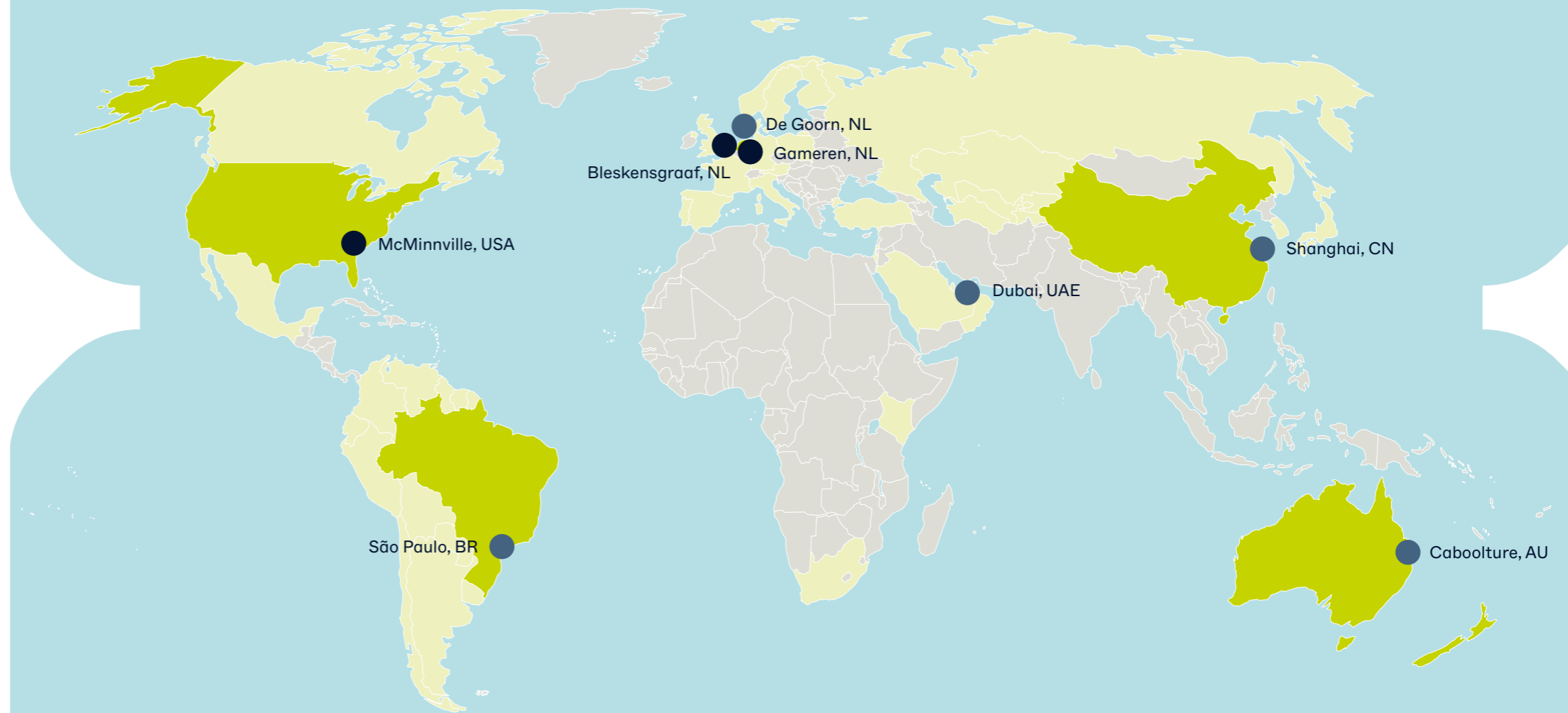
Beyond limits isn't just about technology. It's about people, partnerships, and progress. It's about working together to redefine what's possible and to help our customers scale beyond expectations.



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



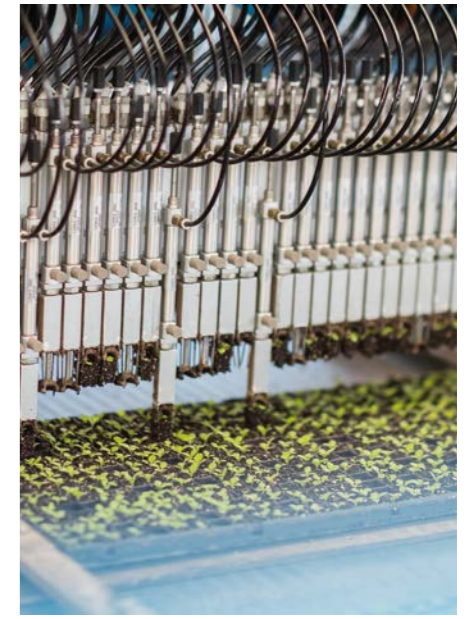
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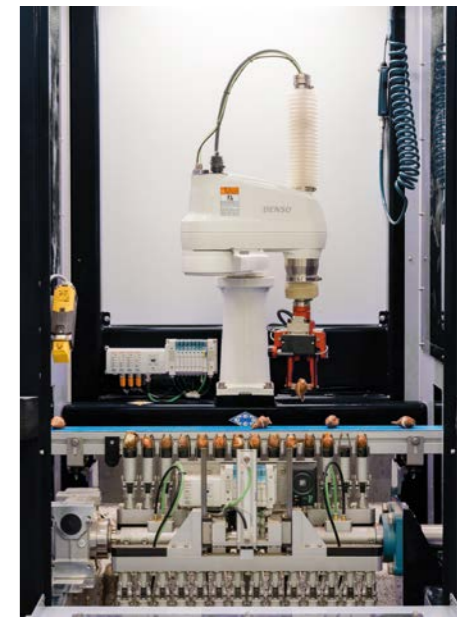
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# Discover our high-tech automation

# Transplanting plugs

## PlugPlanter Chrysan



18k plugs per hour

The PlugPlanter Chrysan ensures a healthy plant that takes root quickly and develops more roots.



## 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.



## FlexSorter-S



3k - 12k plugs per hour

Transplanter that combines transplanting and selecting.



## 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.



PlugPlanter Chrysan



MidiCurve

# Transplanting cuttings



## CuttingEdge



1.8k - 2.5k cuttings per hour

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



## VinePlanter



1.6k cuttings per hour

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



## CuttingPlanter Chrysant



3.6k cuttings per hour

Automatic cutting planting of chrysanthemums.



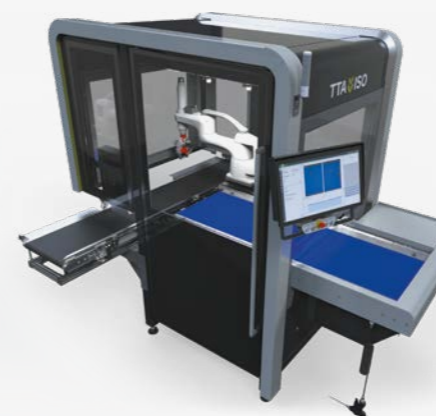
## VisionAir



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



## CuttingPlanter



2.8k cuttings per hour

The revolutionary automatic Cutting Planter.



## CuttingPlanter Eucalyptus



3.2 - 3.5k cuttings per hour

The revolutionary automatic Cutting Planter Eucalyptus.



### Manual Sticking Line

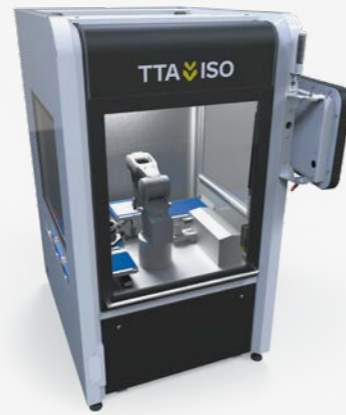


Varies

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.



### DuoPlanter



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



CuttingEdge



CuttingPlanter Eucalyptus

# Sorting

## FlexSorter-S



3k - 12k plugs per hour

Transplanting, gapping up and packing.



## MaxSorter



6k - 12k plugs per hour

High-speed grading machine.



## 3D VisionSorter



The most advanced sorting machine from TTA-ISO.



## 2D VisionSorter



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.





FlexSorter-S



MaxSorter

# Grafting

## GraftLine BC



4k grafted plants per hour

The world's first fully automated grafting machine.



## GraftLine 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.



## ClipLine



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.



## Graft CC



1.3k clipped plants per hour

The Graft CC is an entry-level grafting machine for watermelon and cucumber plants.



# Germination correction

## CombiFix



12k - 20k plugs per hour

Trays up to 100% with qualified plants.

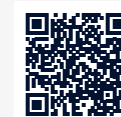


## Mobile Blow Out



600 trays per hour

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

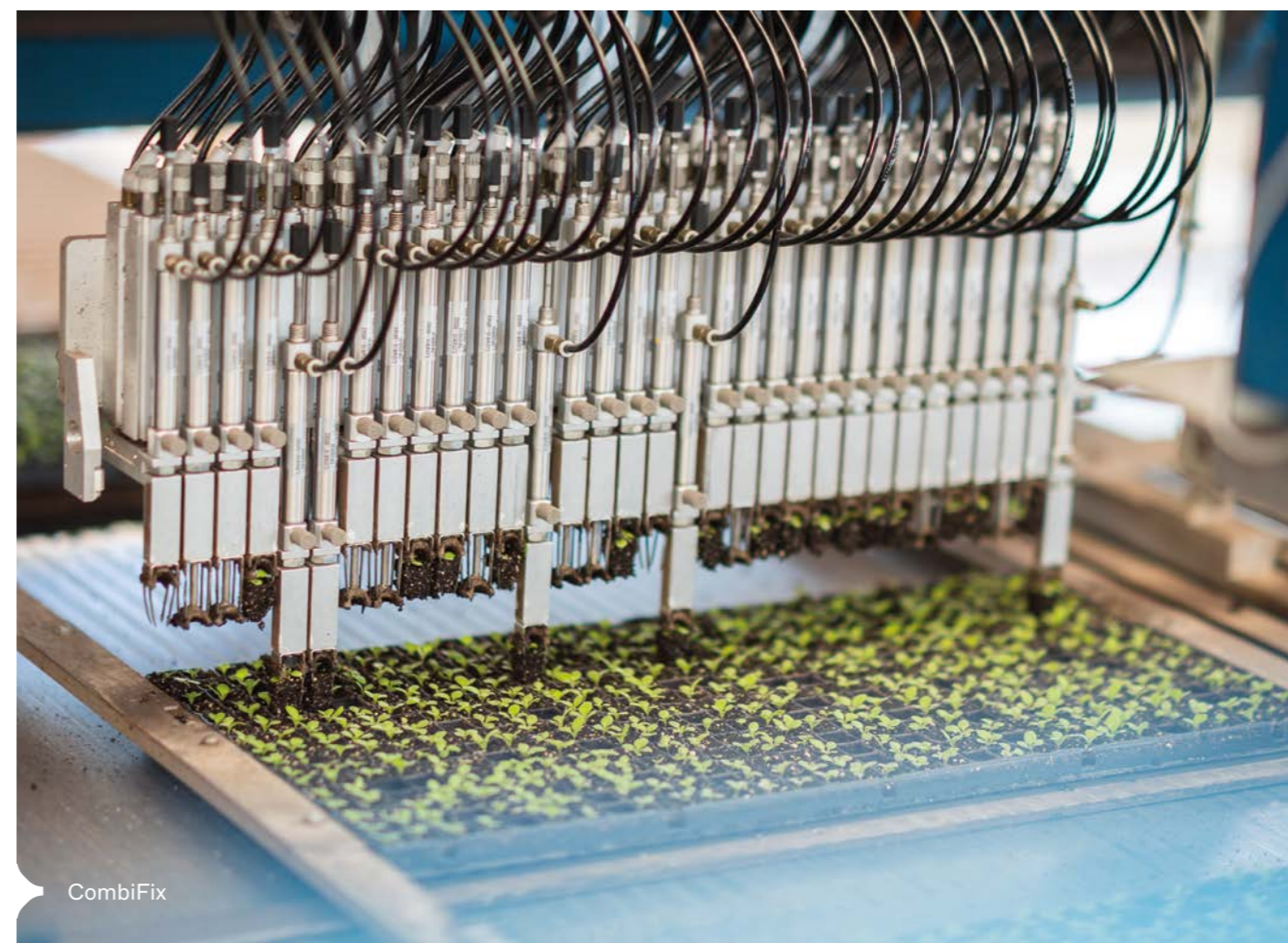


## FlexFixer



3.5k per hour

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



CombiFix



# Harvesting

## HarvAI®



450 vines per hour

Breakthrough in automated tomato harvesting.



## TulipHarvest



16k - 20k tulips per hour

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



## bHarvest



Varies

A revolutionary new way of harvesting indoor-grown crops.



HarvAI®



# Pot & tray handling

## PotDestacker



2.2k pots per hour

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



## 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.



## TLF



800 trays per hour

TLF table and trolley loading system for flats/trays.



## 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.



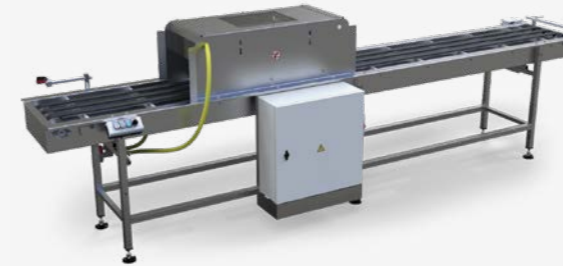
# Various

## Argos



Innovative solution for scanning and analyzing trolleys.

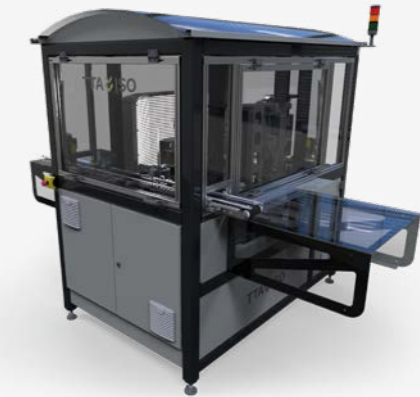
## WateringLine



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.

## FlexFiller



Up to 30k pots per hour

High-speed template filler.

## BulbPlanter



12k bulbs per hour

Tulip Bulb Planting with unmatched speed and precision.

## Drill Unit



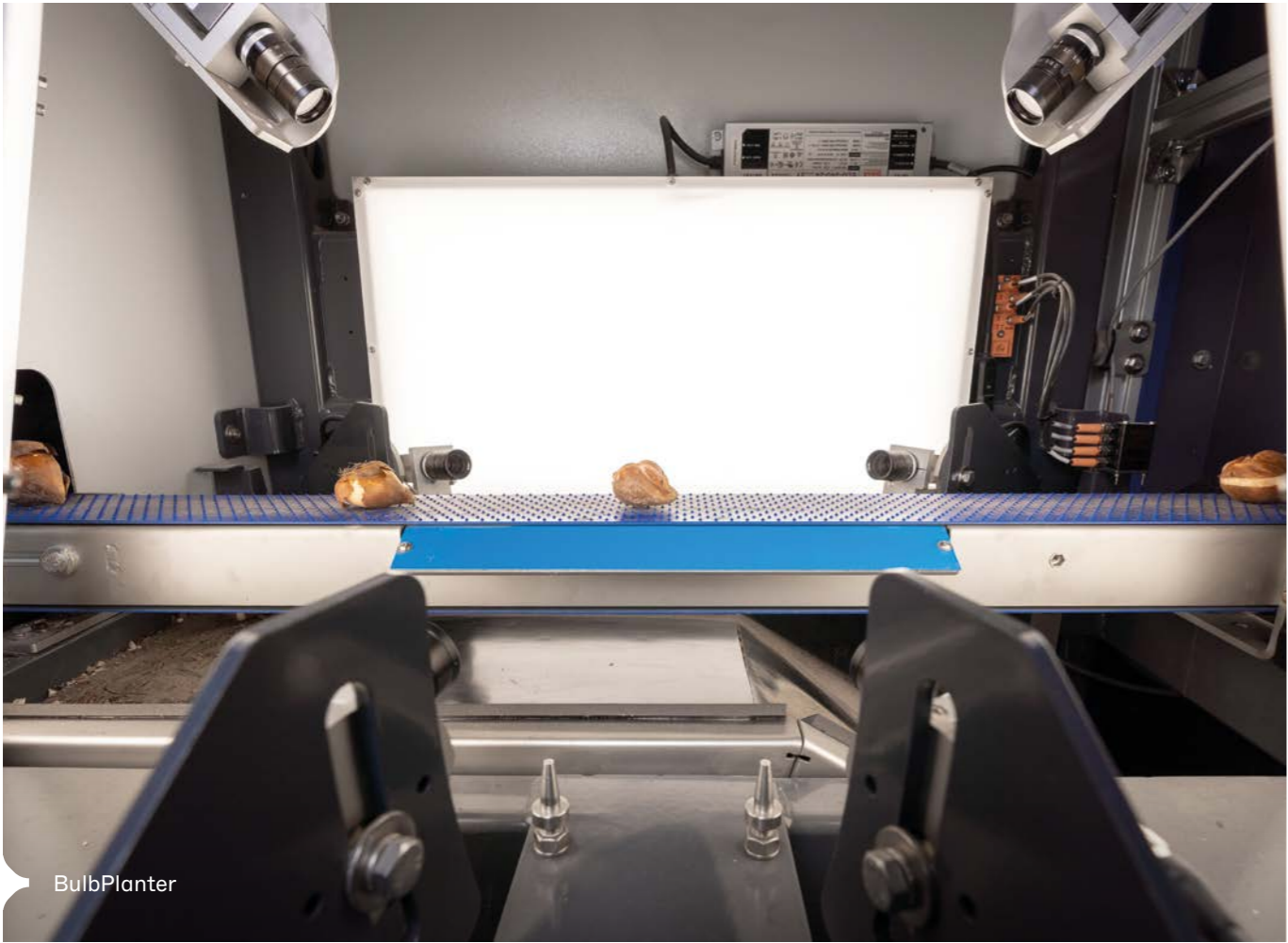
700 trays per hour

Comprehensive solution for drilling & dibbling.

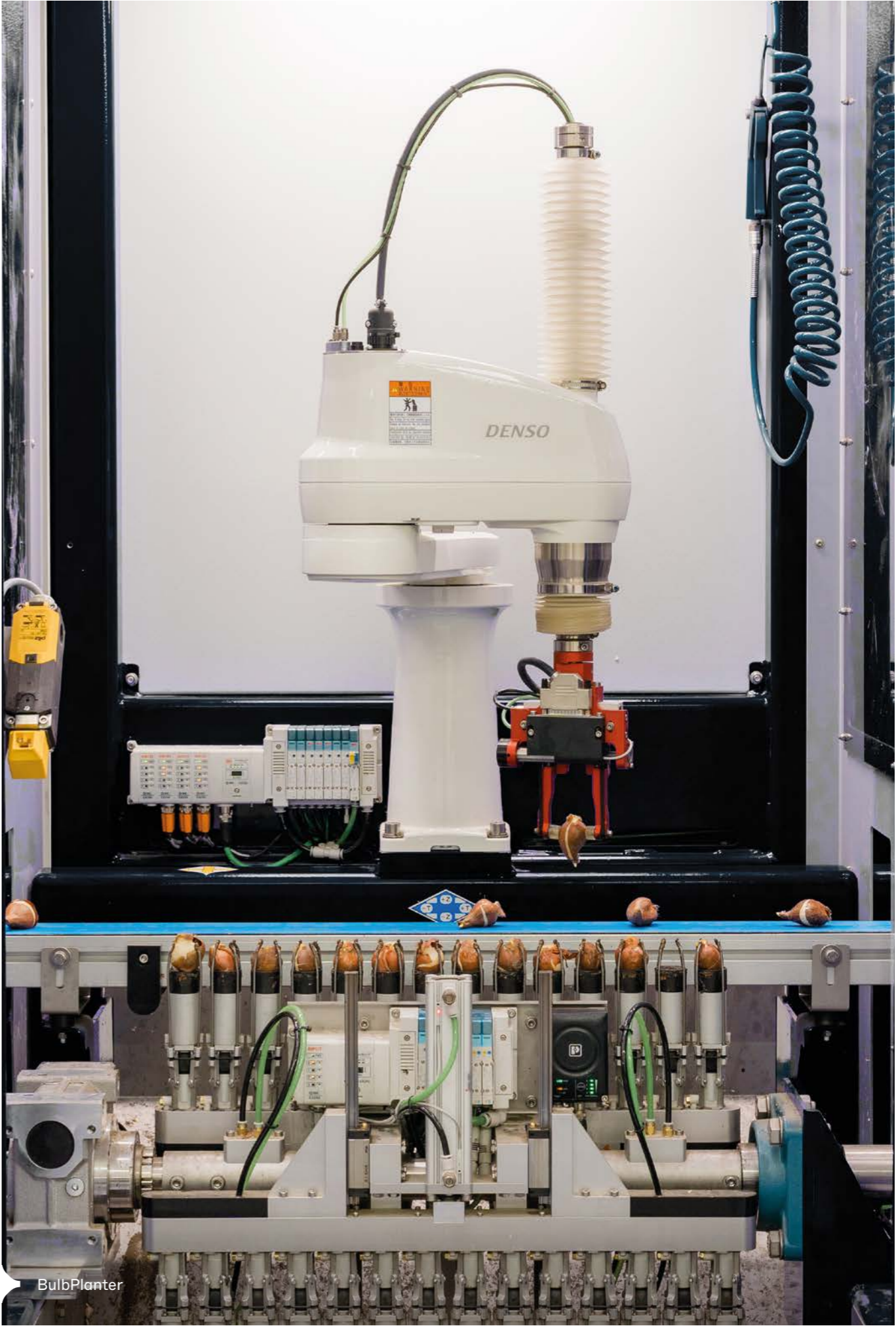




BulbPlanter



BulbPlanter

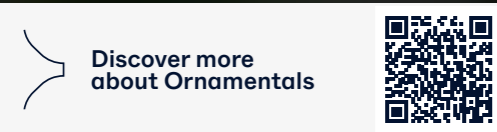


BulbPlanter

## 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.

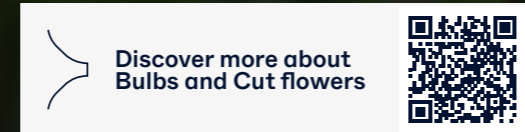
That's why we develop advanced automation solutions tailored for ornamental production. From transplanting plugs and cuttings to sorting young plants, our vision-driven robotics optimize efficiency and provide consistent, reliable results. By automating these key processes, growers can expand their operations,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



## 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 streamline some of the most time-consuming and labor-intensive steps in bulb production. With systems like the Bulb Planter, which places tulip bulbs into crates, and the TulipHarvest, 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.



## 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.

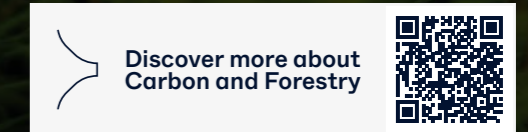
By automating key processes such as sowing, grafting, sorting, harvesting, and packing, growers can scale operations, reduce reliance on manual labor, and use resources more efficiently to meet the growing global demand. Automation also enhances food safety by limiting human contact and controlling movement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



## 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.





## 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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