

HarvAI[®]

Breakthrough in automated tomato harvesting.



TTA  ISO





The future of tomato harvesting

Labor shortages and rising production demands have made automation essential in greenhouse horticulture. Yet, automated tomato harvesting has remained one of the industry's greatest challenges—until now.

After years of research, development, and rigorous field testing, TTA-ISO releases HarvAI®, a groundbreaking harvesting robot engineered to deliver consistent, high-quality results at scale.



**Rethink
the way
you harvest
tomatoes**



A close-up photograph of a black robotic arm with two cameras at its end, positioned to pick a ripe, yellowish fruit from a vine. The background is a blurred green field. The number '01' is overlaid in the top left corner.

01

Advanced AI algorithms

**Precise ripeness detection
and optimal picking**

02

Operational speed

**Cycle time up to
450 vines per hour**

03



Seamless integration

**Drives on heating tubes,
550 – 650 mm**

04

3D guided path

**Smart robot navigation
prevents damage and
optimizes routes**



05

Scalable operation

**1 operator controls up
to 6 harvesting robots**

06

Temperatures

**Operates in 10-40°C
and 75-90% RH**









Key benefits



Significant labor savings

Automates a labor-intensive process and reducing operational costs.



Hygiene and safety

Minimal human interaction and automatic disinfection ensure the highest hygienic standards.



Data insights

Valuable data regarding crop performance, facilitating informed decision-making.



Continuous operations

The intelligent power system ensures full-time operation, keeping workflows smooth and efficient.



Consistent ripeness detection

Consistent ripeness check by AI model, easily adjustable by crop manager.



Selective harvesting

Selective harvesting increases the share of A-class tomatoes and minimizes waste.

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.

sales@tta-iso.com



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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