



TTA  ISO



Leading in grafting
solutions

From semi to fully automated—explore grafting solutions
that enhance performance and consistency.

To graft or not to graft?

For many growers, it's still a pressing question. The benefits of grafting are undeniable: stronger, more resilient plants, improved root systems, greater yields, and more efficient use of water and resources. Grafted crops can support more stems or fruits, absorb more CO₂, and extend the growing season. Yet despite these advantages, traditional grafting remains a challenge. Labour-intensive, delicate, and costly, the process has often kept growers from scaling up.

That's why TTA-ISO offers a complete range of grafting automation—from the Graft Single and ClipLine to the fully automated GraftLine. Each system combines robotics and advanced Vision AI to streamline the grafting process.

Whether you're looking to improve efficiency, reduce labour, or increase uniformity, our solutions are built to help you grow beyond limits.

GraftLine BC

4k grafted plants per hour



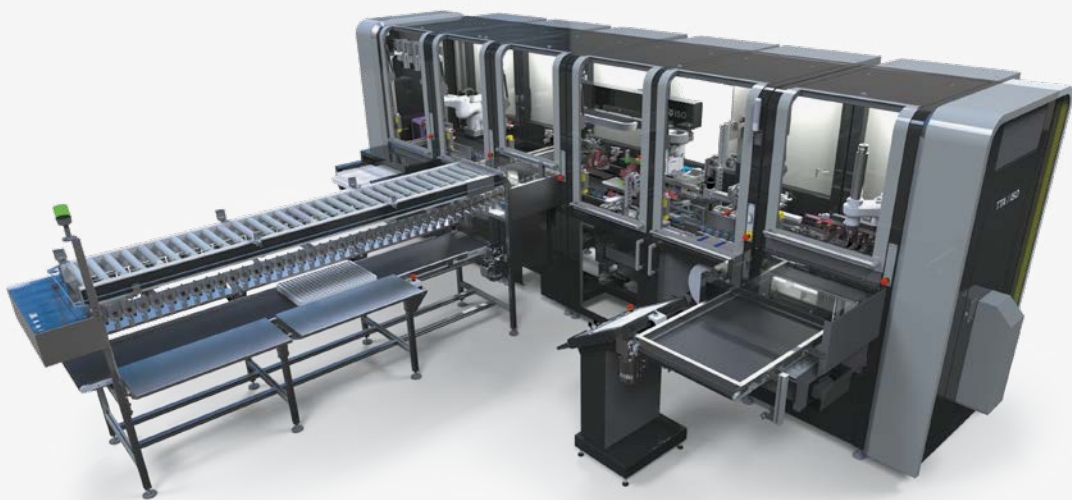
The GraftLine BC is the first fully automated machine for grafting below the cotyledons, using vision AI and robotics to deliver up to 4,000 grafted plants per hour.





GraftLine AC

4k grafted plants per hour



The GraftLine AC automates grafting above the Cotyledons with high precision and consistency. An innovative carousel system, combined with vision, AI, and robotic handling, delivers up to 4,000 plants per hour with consistent quality and higher yield.



Leading in grafting solutions

With the development of the world's first fully automated grafting machine, TTA-ISO has pushed the boundaries of what is possible in horticultural automation. Today, growers worldwide rely on our advanced grafting systems—from semi-automated solutions to high-speed robotic lines—to increase efficiency, reduce labor dependency, and achieve uniform, high-quality results.



ClipLine

4k clipped plants per hour



The ClipLine precisely cuts the rootstock at the correct angle and processes up to 4,000 plants per hour. By utilizing advanced vision technology and robotics, it ensures reliable, high-quality results. The machine can be expanded into the GraftLine.



Graft Single

1k grafted plants per hour



The Graft Single is a semi-automatic grafting machine designed for young vegetable plants. With a capacity of up to 1,000 grafts per hour, it combines precision, ease of use, and consistent quality—making it the ideal entry-level solution for nurseries looking to automate grafting.



Graft CC

1.3k clipped plants per hour



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





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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