

HORTI ROBOTICS

**WHERE INNOVATION
TAKES ROOT**

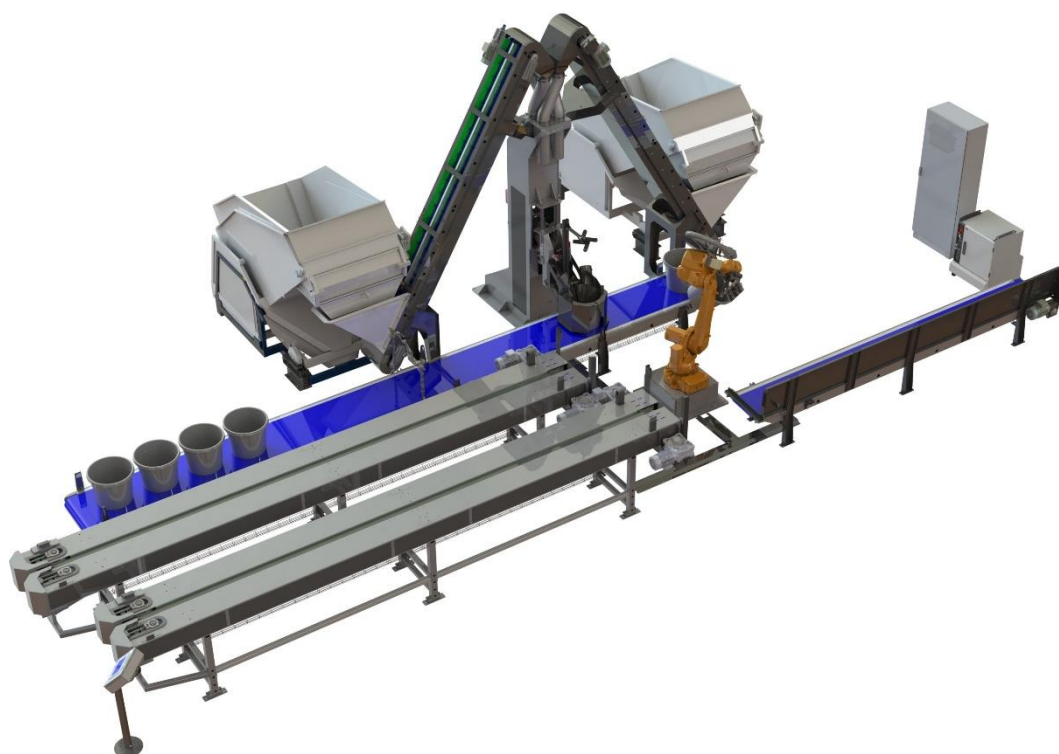
Tree Transplanter Single Module

Hand Load & Robot Load

High productivity

Consistent quality

Flexible integration



EXPANDABLE AUTOMATED POTTING

Every nursery operates in its own way, with specific workflows, space constraints and production priorities. Differences in container types, bark application, soil supply and available capacity require a system that adapts to the grower.

The Tree Transplanter Single Module is designed to fit seamlessly into diverse working methods. It combines high productivity, consistent process-controlled quality and configuration options, allowing each nursery to build a solution that fits its needs.



For nurseries handling mainly single-stem trees, the Robot Load version maximizes productivity through buffered supply and robotic loading.

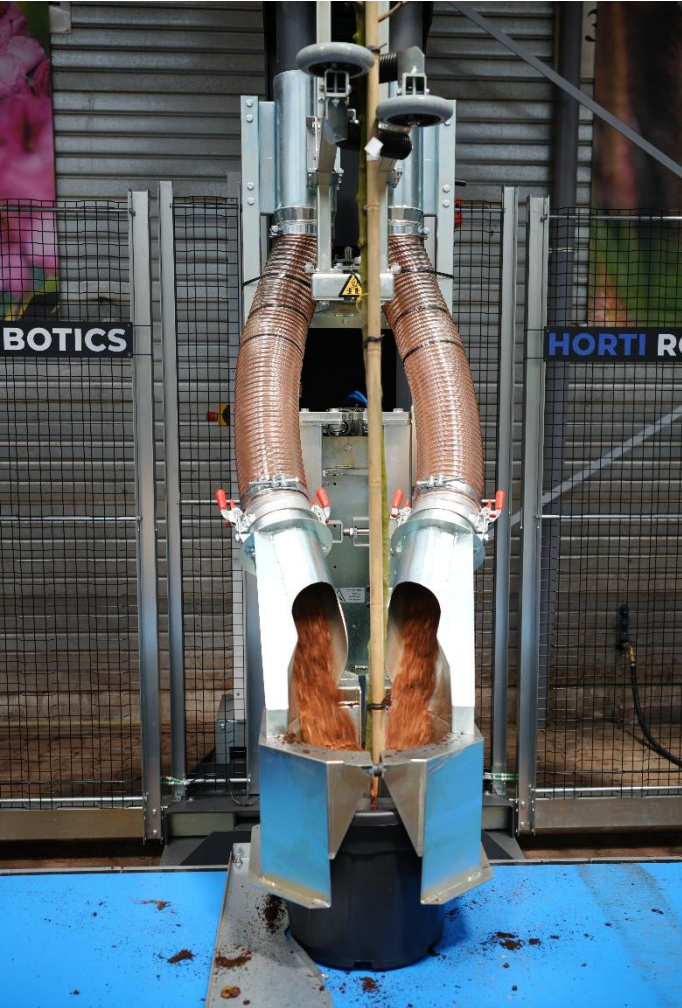
For nurseries requiring great flexibility, the Hand Load version offers a versatile alternative. By allowing manual tree placement, it accommodates a wide range of trees and bushes.

Designed to streamline nursery workflow, helping growers handle more trees with less manual labour.



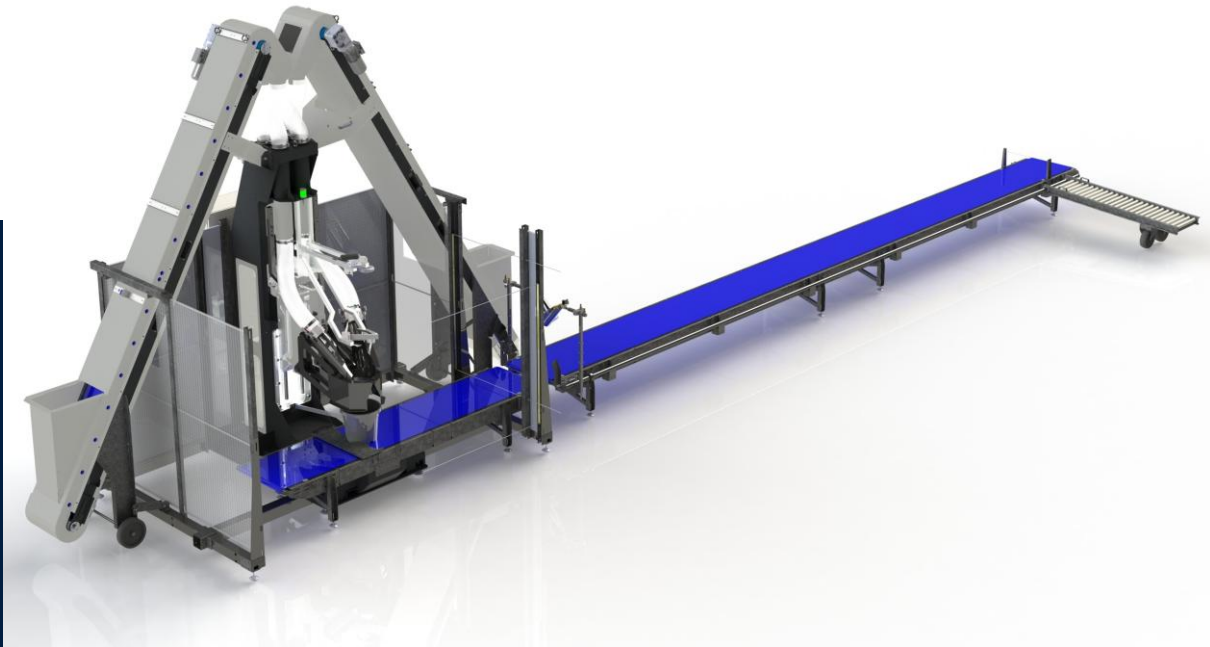
Designed for maximum container flexibility, allowing growers to handle even large trees and shrubs up to 150L containers.

GALLERY

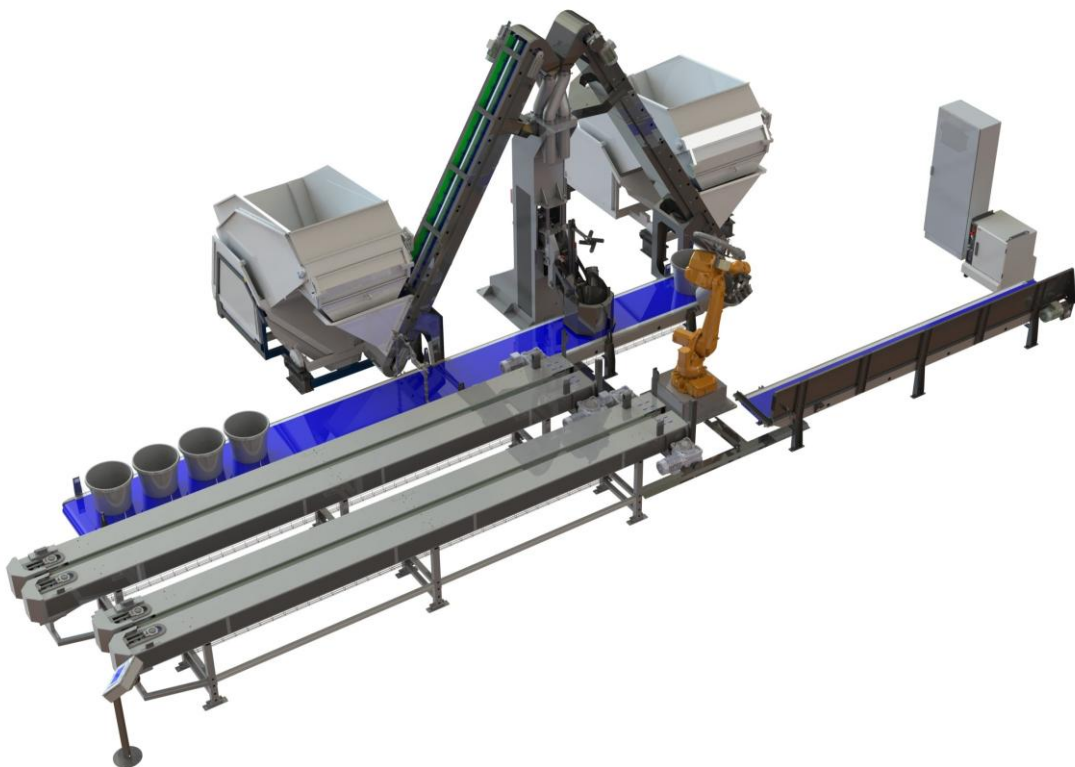




Hand Load



Robot Load



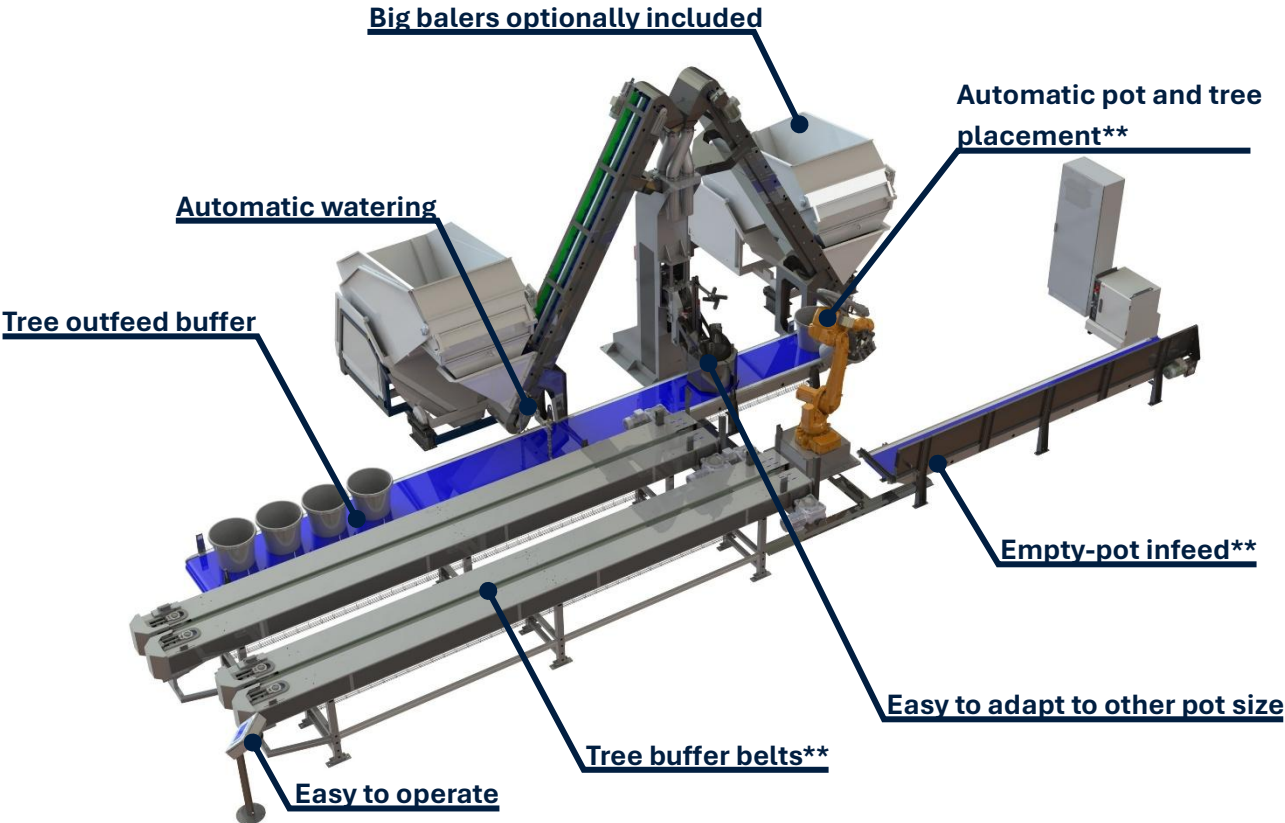
SPECIFICATIONS

Hand load features	Robot load features
Max flexibility: saving 3-4 staff	Max speed: saving 4-5 staff
Manual tree/shrub placement	Automatic tree placement
Trees and shrubs	Avenue trees
Max tree weight not limited by robot	Max tree weight 60kg
For diverse product ranges	For uniform product ranges

Technical specifications:	
Length:	7 m*
Width:	3 m*
Height:	4.5 m*
Capacity:	± 3/min, depending on the application
Root types:	Bare roots and root balls
Plant types:	Trees and shrubs
Container type:	Pots and bags
Minimum container size:	10L
Maximum container size:	150L

*Dimensions of the handload version with bark option, without big balers & outfeed belt.

**Applicable to the Robot Load version.



Built on patented technologies

ABOUT US

Horti Robotics started in a small workshop in the Netherlands, founded by two brothers and their father. They grew up in South Africa, where they learned to work with limited tools and to find practical solutions. That way of thinking—hands-on, resourceful, and committed, still forms the foundation of how the company works today.

What began with welding and mechanical work grew into designing and building complete machines. Without formal training, they taught themselves to draw, program, and develop systems from start to finish. Every project became a new learning step.

Their first horticultural machine was a Root Trimmer. That led to more questions, more machines, like a cutting robot and a potting system. One customer asked if they could also build a machine to graft plants. They had no experience with grafting, but they gave it a try.

Today, the Grafting Robot is a key part of what Horti Robotics does.

In 2020, the name changed to Horti Robotics, to better reflect what the company had become: a builder of smart, practical machines for horticulture. From potting and grafting to grading and transplanting. The aim: making growers work easier, more efficient and more consistent, to gain higher quality and speed.

The team is small and works closely together. Everyone contributes, and every idea is welcome. Machines are developed in cooperation with customers, based on real needs in the field.

Where innovation takes root is more than a slogan.

It reflects how the company grows: step by step, through doing, learning and improving together with those who use the machines.

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