



PLANT TECHNOLOGY

Waxing Automation



Delivery program for:

Growing, Waxing & Packing of young trees:

- ✓ Disinfection of trays
- ✓ Tray filling
- ✓ Seeding
- ✓ Irrigation
- ✓ Transplanting
- ✓ Internal transport
- ✓ Camera grading
- ✓ Waxing
- ✓ Packing

About

Since 1967, Visser Horti Systems has designed and manufactured machines and complete production lines for both large and small horticultural nurseries. Visser is able to supply a wide range of systems for potted plants production. As an innovative organization with global operations, Visser is a leading force in the horticultural sector.

Young Tree Protection: Waxing

The forestry sector has been plagued by the notorious pine weevil, the *Hylobius abietis*, for over more than a century now. Destroying this weevil by insecticides has been effective, but harmful to the environment.

The Forest Stewardship Council has been working on regulation to realize a pesticide free forest industry. Up to now, the ambition and regulations are clear, yet the industry has very limited options in affordable, environmentally friendly methods to protect the trees.

Visser Horti Systems has been focusing on this important challenge and developed an innovative yet affordable waxing system to protect young trees. This new compact waxing machine provides a 100% coverage of the stems and uses, due to its integrated wax recycling system, a minimum amount of wax. This high capacity waxing line is equipped with a packing line and can wax & pack 5.000 plants/hour. Since all plants are graded in line, before waxing and packing, no wax will be spilled and only ever useable trees are being shipped.



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100% PROTECTION

Waxing & packing young trees



Grading



The young trees are being graded in order to enhance efficiency and effectivity in the following process.



Positioning



Each tree is being positioned seperately, to allow perfect exposure to the wax application.

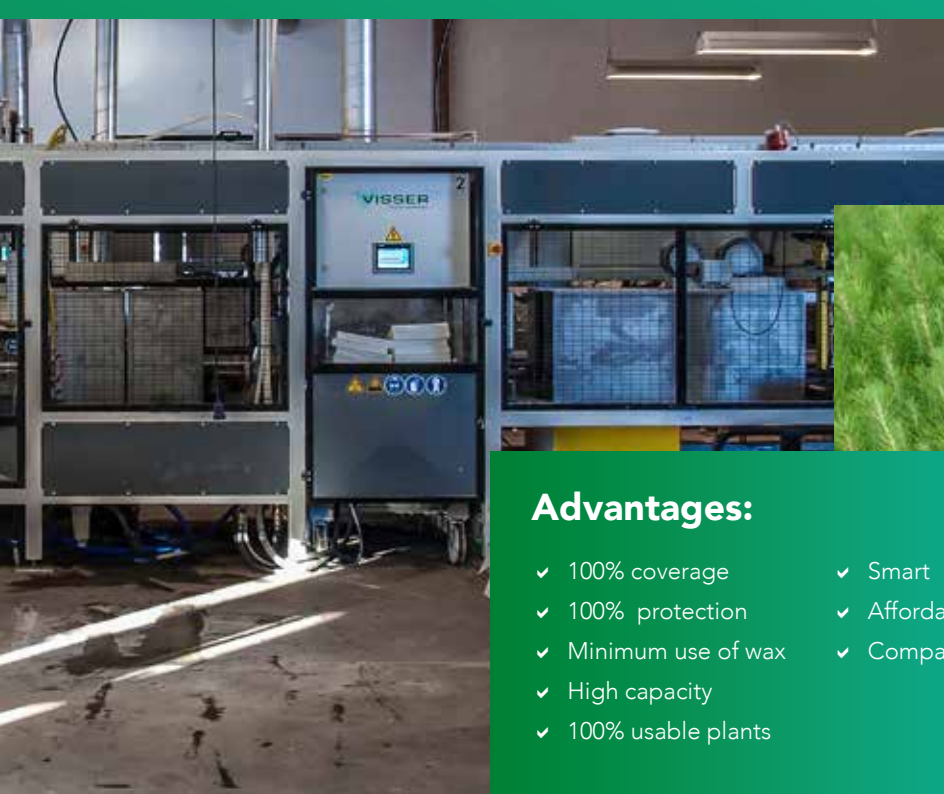


Waxing



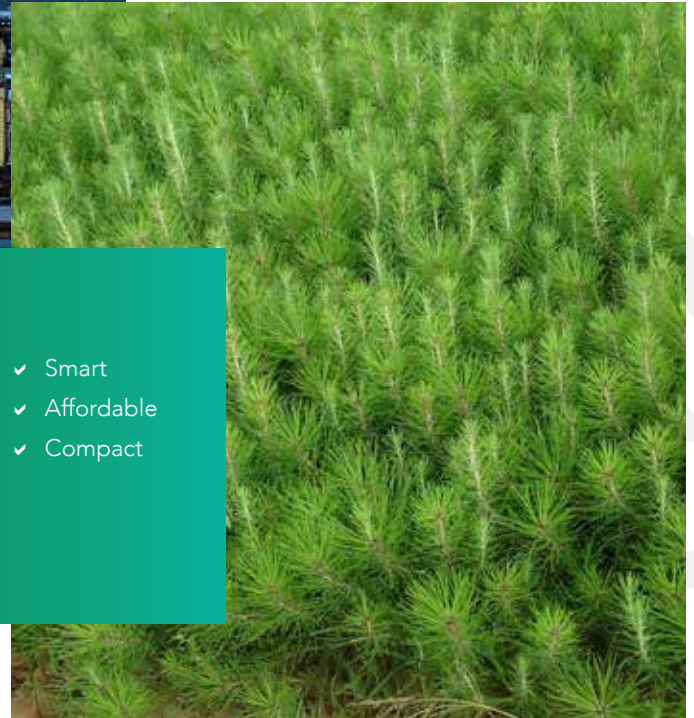
The young trees enter the waxing unit, where they are being exposed to the wax on all sides. The singulated positioning allows each tree to turn full circle.





Advantages:

- ✓ 100% coverage
- ✓ 100% protection
- ✓ Minimum use of wax
- ✓ High capacity
- ✓ 100% usable plants
- ✓ Smart
- ✓ Affordable
- ✓ Compact



Fully automated, fully protected



Assembling



Trees are being assembled in the configuration and density required for perfect packing.



Packing



The young trees are being packed in carton boxes, which are being assembled in line, or will be wrapped in bundles.

Specifications

Waxing Features

- Rotating plants 360° during waxing
- Each tree will be waxed individually
- Minimum use of wax due to:
 - Camera grading system, only usable trees are being waxed
 - Bad plug removal system before waxing
 - Integrated recirculation system for reusing wax
- Adjustable height of wax application for different tree heights
- User friendly operation

Technical Features

- Capacity up to 5.000 plants/hour
- Amount of grippers depending on type of tray and capacity wishes
- Each gripper is driven by individually controlled servo technology to enhance flexibility
- Can be used as a stand-alone unit or integrated in a complete line

Options

- Automatic supply of trays
- Automatic packing of the young trees in carton boxes





Watch our video

Go to www.visser.eu/reforestation
to watch our video and learn more



Visser Plant Technology

Mijlweg 18
3295 KH 's-Gravendeel
The Netherlands

+ 31 (0) 78 673 9800

www.visser.eu

