

PLANT TECHNOLOGY

# Reforestation automation





IMPROVING & INNOVATING  
REFORESTATION EQUIPMENT

## 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.

### Our delivery program:

For growing, Waxing & Packing of young trees:

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



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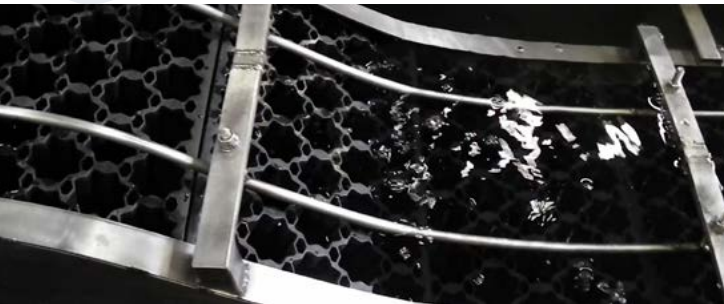
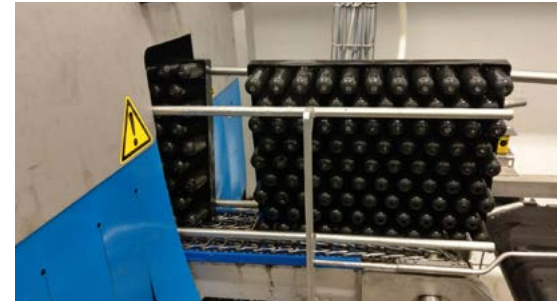
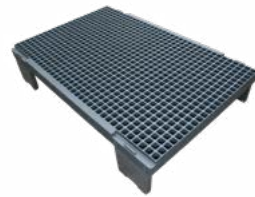


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# The process of growing young trees

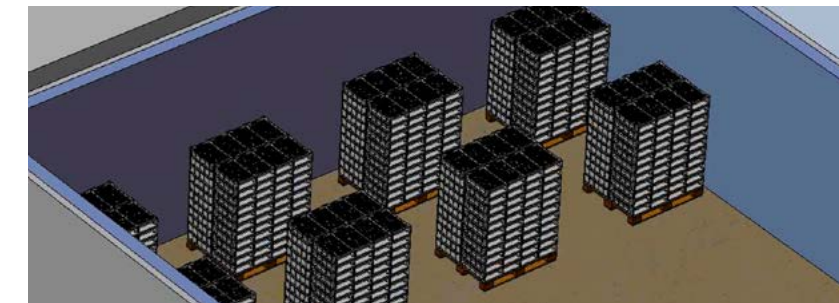
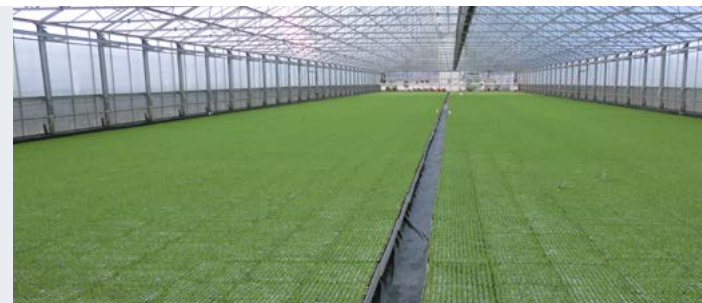
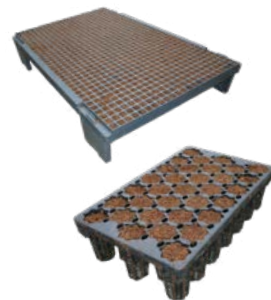
## Desinfection

A clean tray is essential for a healthy young product. Our disinfection unit prepares the plug trays for filling, to ensure germination, uniformity and growth quality.



## Filling

The tall tree plugs need to be filled uniform and without bridging. Our Compact Filler has a special filling technique that ensures optimal water management in the plug, due to the uniform filling.



## Seeding

Visser offers two seeders for tree seeds: type OHS: high capacity and accuracy & our type Granette: the nozzle seeder for seeding with finesse!



## Germination

A good healthy start is essential for a strong plant during the entire growing process.

Our germination rooms provides for just that!





## Irrigation

After germination the trees go out to the greenhouse, where they need to be watered accurately. Our watering boom type VWS provides for a watering system that has a boom for every bay and can be fully automatically controlled. High capacity and reliability.



## Transportation

The transplanted plants can be shipped outside with the transportation systems. The trays are collected on a rack and the XY system brings the racks to the right position in the field. The transportation system can also be used to collect the racks for winter time, to go back inside.



## Transplanting

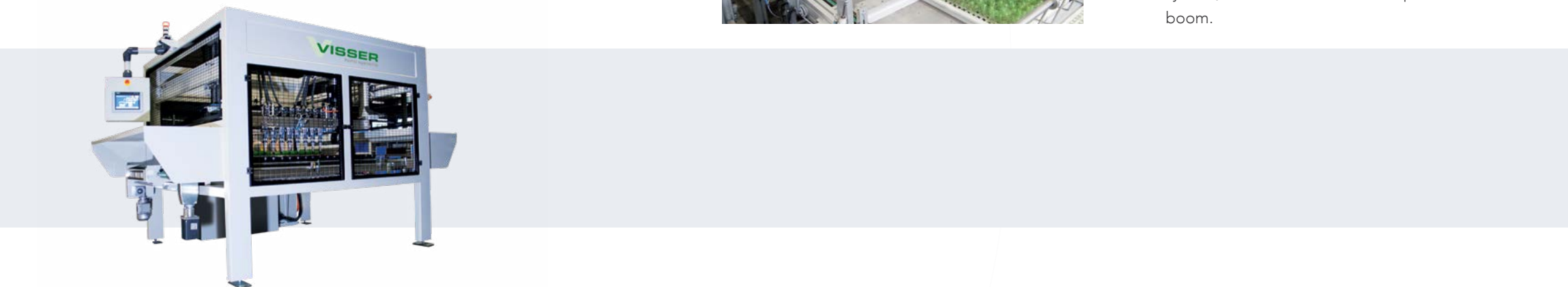
After several weeks the trees can be transplanted in a larger size tray.



## Outdoor watering

The plants need to be watered when they are in the field.

Visser provides for an automatic watering system, which uses a rails to transport the boom.





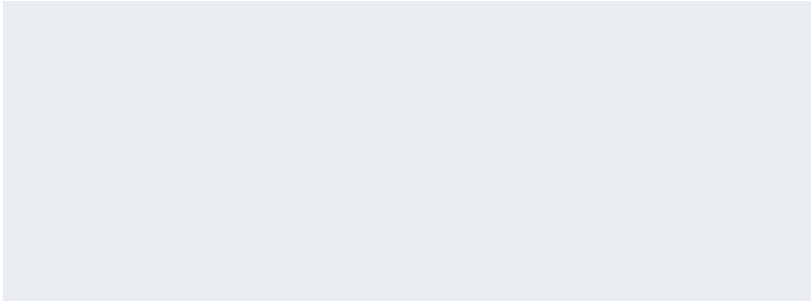
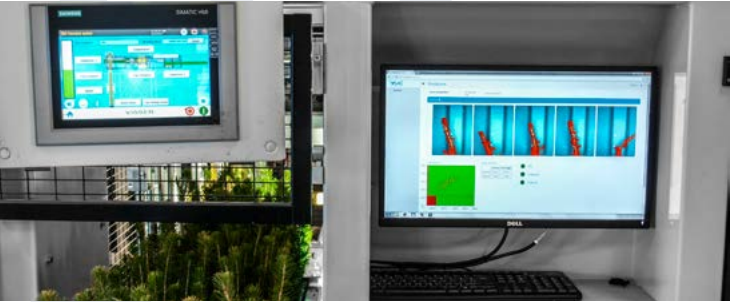
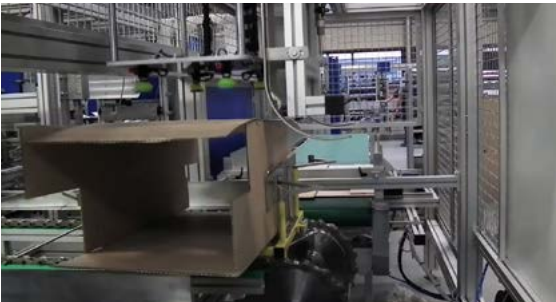
Grading

When the plants are big enough, they are transported to the grading line. At the grading machine the plants are graded with a camera. Bad trees are thrown out, so only healthy trees are left in the tray. Trays will be completed up to 100%.



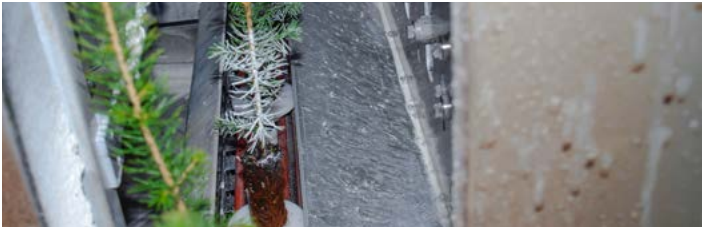
Transportation

At the packing machine the graded and waxed plants are packed in a carton box, with the patented packing system for trees. The trees are carefully collected with a gripper, a gentle process.



Waxing

At the packing machine, after grading, the plants are waxed. Our patented waxing machine puts a thin layer of wax on the stem of the tree, to protect the tree from beetles. Before applying the wax, the trees are seperated, in order to get a uniform layer of wax without wasting wax.

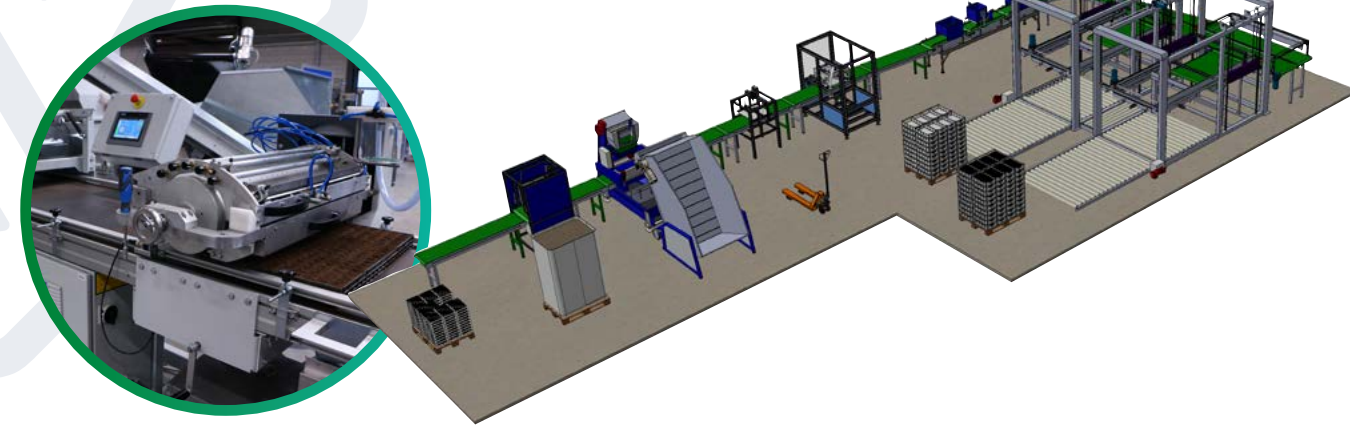




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# Projects

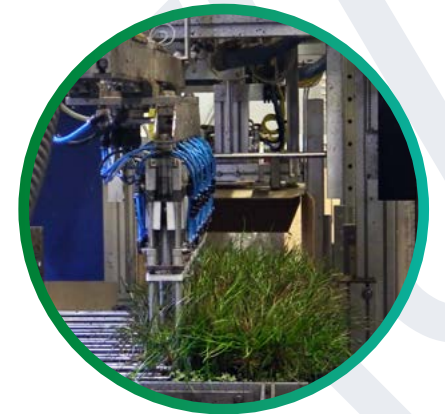
Seeding department



Transplanting department



Replugging department



Shipping department



# Excellence in sustainable plant production



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