
THE FUTURE OF INDOOR FARMING IS:

clean.
pesticide free.
local.
sustainable.
profitable.
automated.



**GREEN
AUTOMATION**

JOIN THE EVOLUTION. BECAUSE THE FUTURE OF INDOOR FARMING IS CLEAN, GREEN AND SUSTAINABLE

Grow Profitably

Produce more while using less. Maximize your yields 365 days/year with the efficiencies of an automated growing system.



Grow Sustainably

Grow lettuce and herbs hydroponically with a Green Automation NFT growing system, reducing the amount of water needed by 95%.



Clean Lettuce

The Green Automation technology provides a closed and controlled system, minimizing the need for pesticides. Keeping both lettuce and environment clean.



Grow Freshness

Deliver the highest level of freshness, nutritional value and flavor within 24 hours of harvesting. Your customers deserve the best.



Grow Locally

Grow lettuce and herbs where they will be consumed. Saving both transportation costs and the environment.

AUTOMATED FROM SEEDING TO HARVESTING. PROFITABLE THROUGH EFFICIENCY.

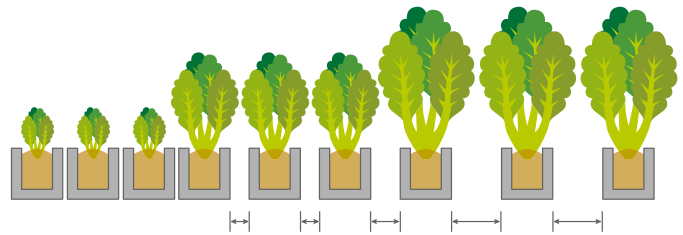
Space Efficiency

Automatic movement through the greenhouse

The plants are moved automatically from the seeding area toward the harvesting area. No walkways needed

Automatic separation of gutters

As plants grow the distance between the gutters is adjusted automatically - giving each plant as much space as necessary, but as little as possible.



Labor Efficiency

All steps in the growing process can be automated from medium filling and seeding to harvesting. No manual labor needed throughout the growing process.



Energy & Resource Efficiency

The closed and controlled NFT irrigation system circulates the water, reducing the water consumption by 95% compared to conventional farming.

In the greenhouse your plants will be soaking up the natural sunlight, using the most efficient and cost-effective energy source there is.



Green Automation develops highly automated growing systems for commercial hydroponic lettuce and herb production. The systems are optimized for greenhouse operations of 1 acre / 0.4 hectares and above. Based on your needs we will design the growing system that will bring optimized yields for your greenhouse.

BABY LEAF LETTUCE

Our Solution

FULLY AUTOMATIC SYSTEM

Every step in the growing process is automated from substrate filling to harvesting. With this most advanced system, no human hand touches the produce during the entire growing process.



Standard features of the system

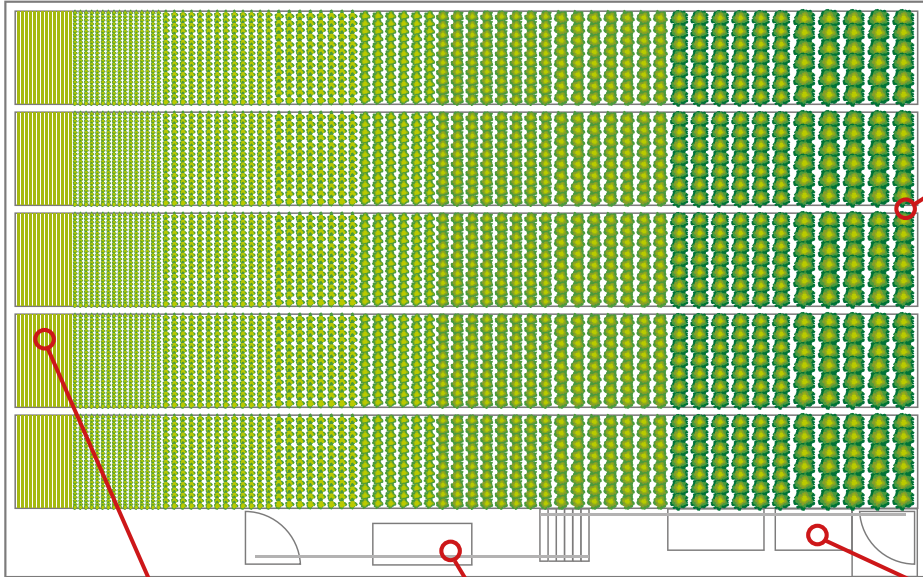
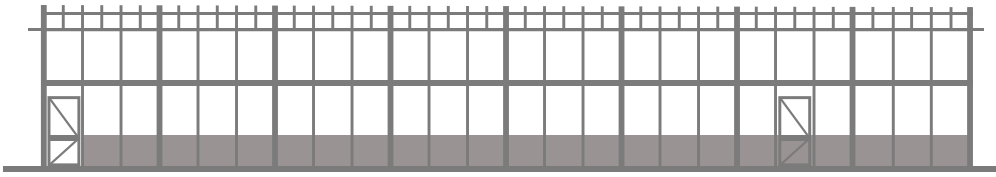
- Automatic medium filling and seeding directly into the growing gutter – No need for transplanting
- Narrow gutters for unmatched plant density
- Automatic movement of growing gutters through the greenhouse
- Automatic distance adjustment between the gutters
- Conveyor belts for transporting gutters to and from the growing area.
- Automatic harvesting station
- Automatic gutter washer
- Software PLC Control system for operating the lines

Optional

- Irrigation system
- Germination on lower level, located under the growing line
- Automated mixing system for baby leaf lettuce



FULLY AUTOMATIC SYSTEM



Gutter Logistics

Gutters are transported on conveyor belts to and from the growing area, incl. 90° turns



Harvesting & Mixing

Fully automated harvesting and mixing – a unique hands-free approach



Germination

Germination on lower level under the growing line



Automated Medium Filling and Sowing

One gutter from start to finish
No transplanting needed



Our Solution

THE AUTOMATIC SYSTEM



The level of automation can be adopted and designed based on the needs of each grower. The automated system generally includes a few manual steps (e.g. transplanting, harvesting).

Standard features of the system

- Stackable plant trays for germination
- Highly efficient plant tray-table in the greenhouse bay
- One single transplanting step in the growing process, simplified through a replanting tool
- Automatic movement of growing gutters through the greenhouse
- Automatic distance adjustment between the gutters
- Automatic gutter washers after harvesting
- Software PLC Control system for operating the lines

Optional

- Irrigation system
- Conveyor belt system transporting plants and gutters

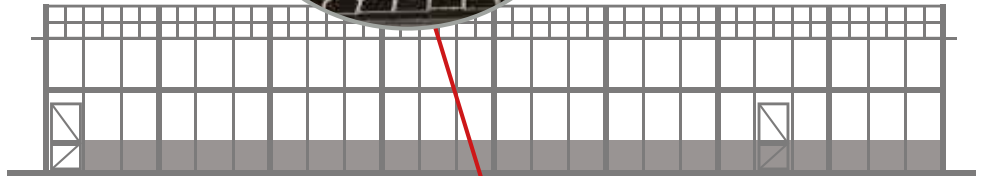


THE AUTOMATIC SYSTEM



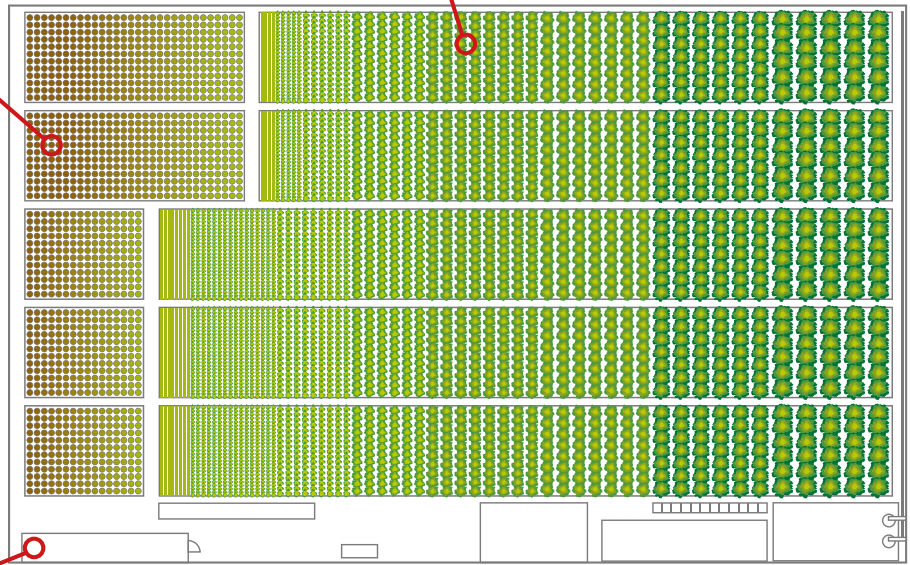
Narrow Gutters

Making room for more gutters and more lettuce on the growing line



Plant Table in Greenhouse Bay

One efficient transplanting step



Germination Chamber

Stacked sowing trays are moved into the germination chamber



Green Automation - providing maximal yields in multiple locations throughout Europe, Asia and North America.



KENTUCKY



ABU DHABI



INDIANA



MASSACHUSETTS



FINLAND



GEORGIA

ABOUT

Green Automation Export Ltd, headquartered in Finland, and its subsidiary Green Automation Americas LLC, based in Florida, develop, manufacture and market the most advanced greenhouse automation systems for lettuce and herb production. Collaboration with some of the largest lettuces and herbs producers in Europe and over 30 years of industry experience ensures outstanding expertise in greenhouse automation systems. Responding to client needs, the product portfolio was expanded with focus on baby leaf lettuce production. Given the changing labor market outlook and the need for growers to stay competitive, a maximum degree of automation is a key aspect of our product development.



FOR MORE INFORMATION

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