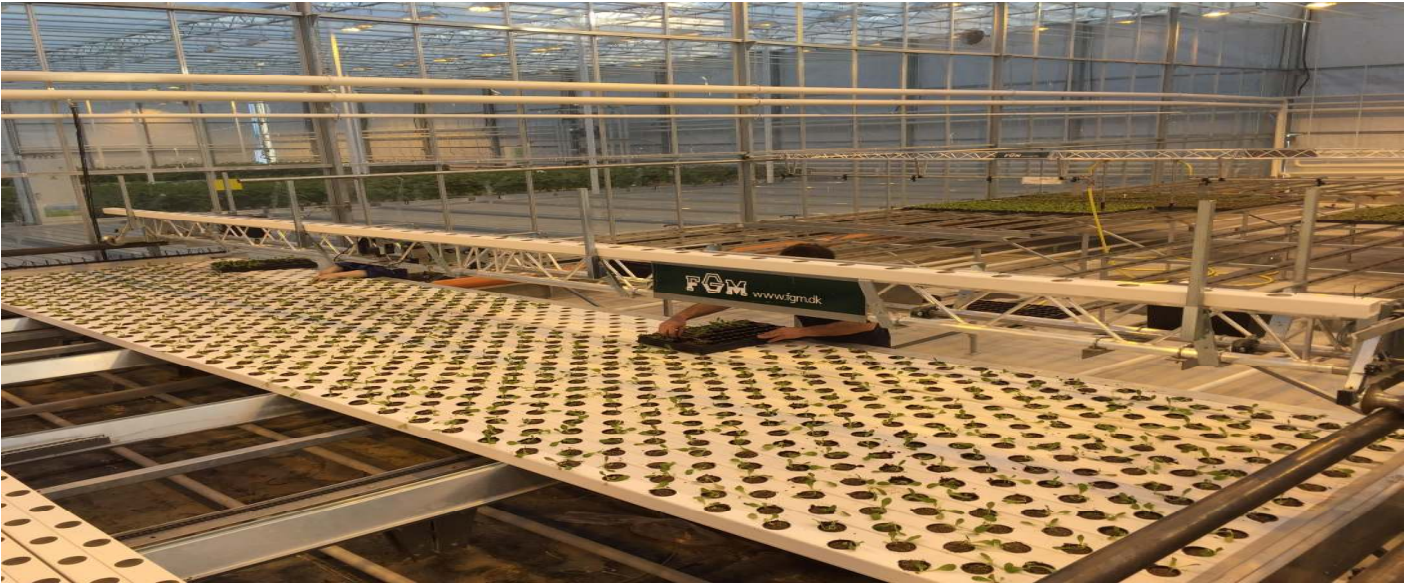




Gutter systems High yield and quality

Will re-use up to 70% of your water/fertilizer
40% more lettuce per square meter
Give you cleaner and more equal products.





Company description

FGM A/S and Danvan A/S, both founded more than 35 years ago, has joined there expertise in machine-construction and irrigation, to build one of the best automatic gutter-system in the world.



Automatic Gutter system

The automatic Gutter-system is made of high quality materials, with a construction in galvanized steel and bearings strong enough for hanging the heating pipes onto.

The Gutter-system is produced after the customers wishes, where automatic inlet boom, gutter- washing machines, and trolleys can be added.





Seeding line

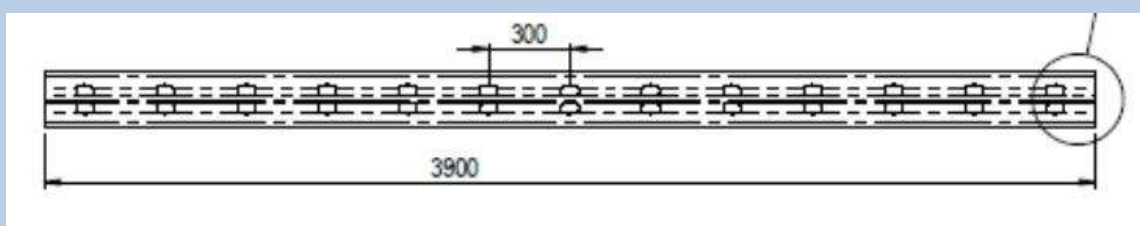
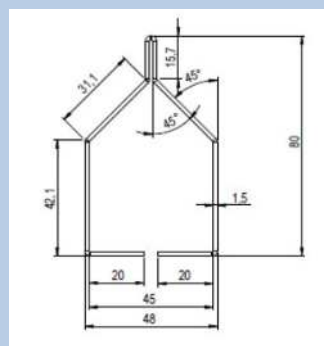
The complete seeding line consists of, Big bale soil distribution unit, Soil mixer, Tray de-stacker and pot dispenser, Soil hopper, Drum seeder, Vermiculite dispenser and Watering unit, Stacking and collection unit.

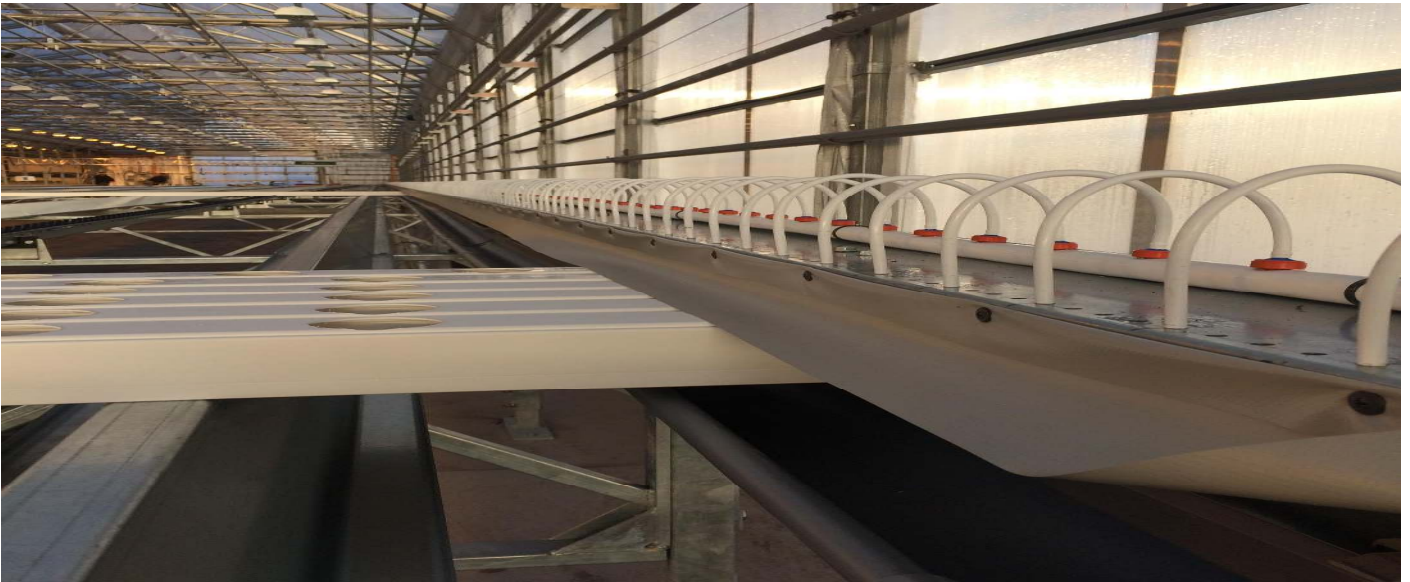


Propagation area with irrigation boom

The propagating area is produced in galvanized steel with nylon rollers.

A capacity for storing the amount of plants in 15 days that fits to the gutter lines.



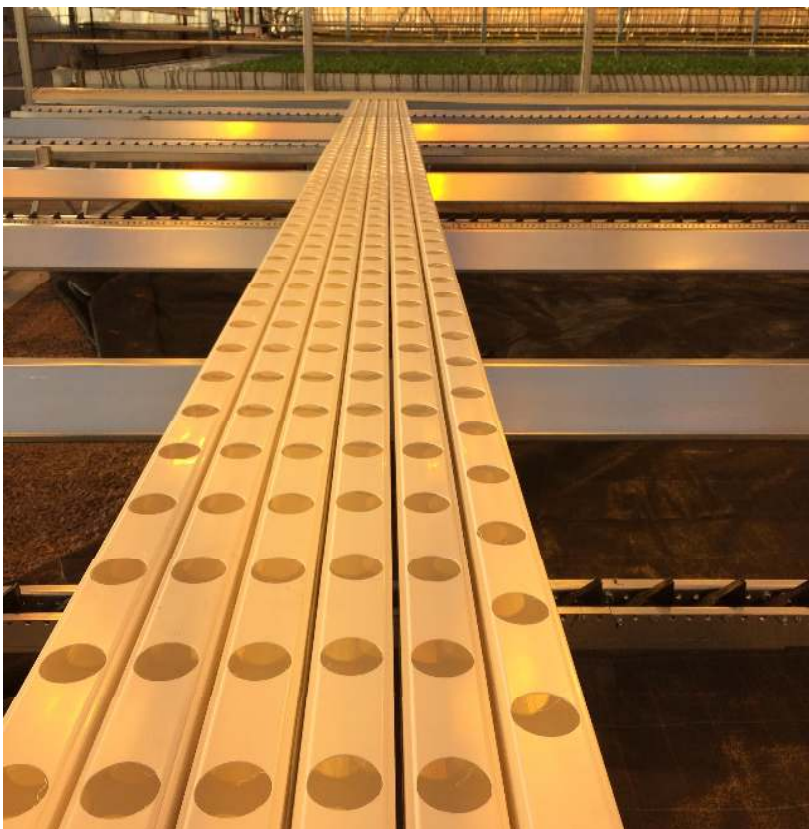
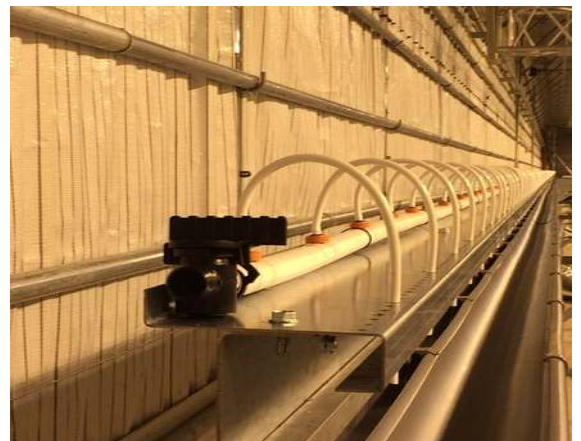


Gutter-lines

The Gutter-lines are profile construction with adjustable legs, all in galvanized steel.

Heavy-Duty inline Push-Pull system, with pawls made of high-strength plastic material for a longer life. The system can have 8 different spaces.

Each gutter is supplied with irrigation water from a pressure compensated PCJ-NL 40 l/hout drip nozzle.





Automatic inlet

The automatic inlet boom, pushes the gutters forward against the Push-Pull system, after loading the gutters with pots. After loading, it controls that there is no empty spaces at the gutter-line.

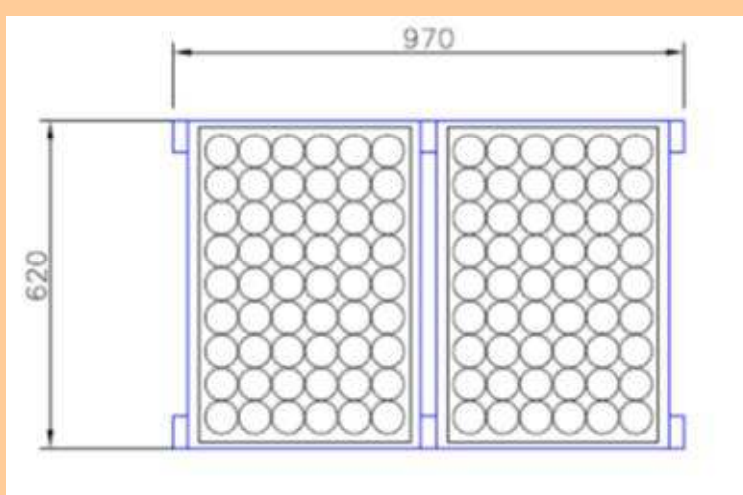
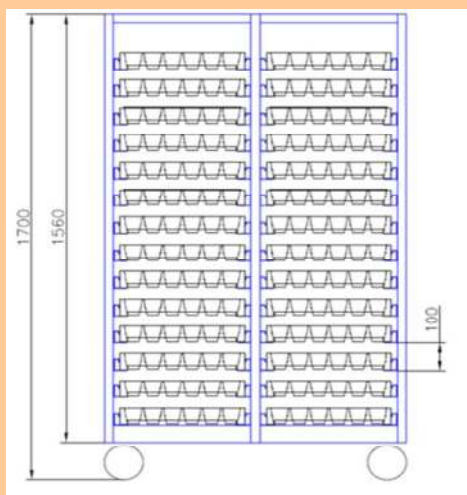
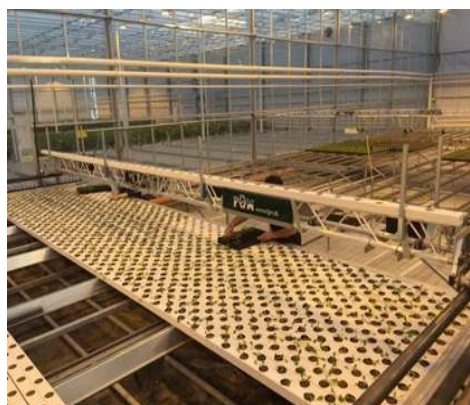
Gutter trolleys

The Gutter trolleys is made in manual or automatic versions.

The Gutter trolleys transports the gutters from harvesting end to inlet end, running on pipes above the gutter-lines.

Tray Trolleys

Tray trolleys in galv. steel for 28 trays





Fertilizer Mixer

A Multicom Fertilizer Mixer controls the mixing of 8 different fertilizer and acid to the irrigation water, up to 64 irrigation valves, automatic filter flush and return water reservoirs.



Water treatment

The water treatment consists of Disc filters, Aqualite filter and UV-light for disinfection of the return water before reuse in the Fertilizer Mixer.





Gutter Washing machine

The Gutter-washing machine is placed between to gutter-lines and capable of washing gutters from both sides, it disinfects and washes the gutters after harvesting.

Packaging and waist conveyors

Conveyors for transporting the lettuce to the packaging area and the waist to a waist-container.





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