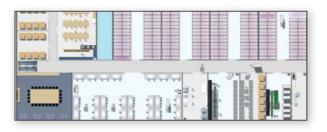
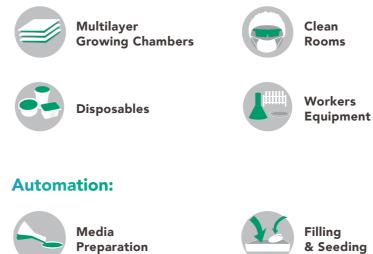


Plant tissue culture solutions & consultancy





Viscon provides everything in:





Sealing





PLANT TECHNOLOGY

Turnkey plant laboratory

Viscon Plant Technology provides you with a turnkey solution for a complete laboratory for any starting material (tissue culture, seed and cuttings) or leafy finished crop. Viscon is your partner for the smartest solution for multilayer growing.



Consultancy



Tracking & Tracing

Complete layout of your multilayer plant factory

A plant factory has different specialized areas. Viscon offers a complete solution for each department.

1. Preparation area

In any kind of laboratory everything starts with a **clean operation**. Viscon supplies everything you need to clean and sterilize all materials in your lab.

2. Media filling & Seeding area

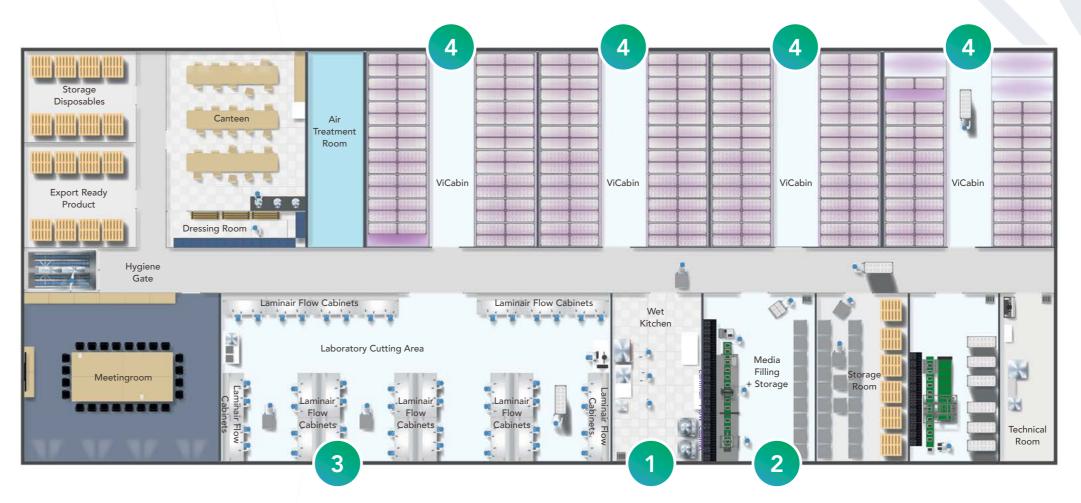
Both cups and trays can be filled with agar in the **media preparation** area. Viscon supplies unique media preparators with an unprecedented capacity. These media preparators connect to the filling lines to automate the filling process. Nutrition can be connected as well. Both **filling** and **seeding** can be automated, for processes with soil mixes.

3. Plant material process area

In the laboratory Viscon provides everything required for a smooth setup to **process your plants**. Laminar flow cabinets, equipment for the staff, trolleys for transport and all disposables. For a Viscon process a sealing machine is available as well.

4. Multilayer rooting & hardening

In the fully controlled growing chamber the ViTray helps you **root** and **harden** your plants. The ViTrays hold substrate in which the plants can grow roots. The plants can harden in the ViTray in the cell as well, via the Viscon micro perforation. Viscon supplies both the automation for the filling of the trays and the complete growing chamber.



5. Transplanting for greenhouse

When the plants are rooted and hardened they can be **automatically transplanted**. Viscon Plant Technology supplies a transplanter for a fully automated process.





PLANT SCIENCE

Protocols, training & consultancy

Every plant has a specific optimal growing protocol. Viscon offers consultancy for the development of protocols for your plants. Once your lab is up and running, we can also provide training and consultancy to ensure a great start and a sustainable production.

Viscon develops growing methods for tissue culture, seed, cuttings and companies that produce fresh produce. Viscon can be applied for R&D purposes and commercial production purposes. Viscon supplies everything for a turnkey multilayer setup, but we take our service to the next level. Besides all the hardware and software, we also provide expert consultancy to start and sustain your operation.

Protocol development

Every plant has a specific optimal growing protocol. Viscon offers consultancy for the development of protocols for your plants. A protocol will help you determine:

- ✓ Which growing medium is best for your product?
- ✓ What is the best multiplication method?
- ✓ Which cups and trays are optimal for your product?
- ✓ Which heights, cavities, form, etc?

Once your lab is up and running, we can also provide training and consultancy to ensure a great start and a sustainable production.

Multilayer solutions



TC labs (TC and somatic





Breeding & screening departments







Finished plants (leafy products)



Controlled environment propagation & cultivation





For TC labs Viscon supplies:

Complete laboratory setup

- Growing chambers
- ✓ Climate control
- ✓ Trolleys with LED

Automation

- ✓ Media preparation
- ✓ Sealing
- ✓ Filling & seeding
- ✓ Transplanting
- Packaging for the Viscon method General lab disposables Tracking & tracing software Protocols, training, consultancy

PLANT TECHNOLOGY

Tissue culture

Viscon Plant Technology offers a wide range of products to build a complete cutting edge TC laboratory. We provide everything for a regular lab: growing chambers, clean rooms, automation, workers materials, disposables and **consultancy**.

We also provide everything for the unique Viscon method for great efficiency and added value in the final stage of the growing cycle. The Viscon method can create a new opportunity for your company. With this method you can supply your TC young plants, **rooted and hardened** to your customers. The last step of the growing process is being transferred to the ViTray with sterile soil plugs, covered by our patented micro perforated foil. Due to the fact that these plugs are sterile, the product can now grow roots in the growing chamber and you can supply hardened plants. The ViTray is designed so that the transplanting of the plugs to a bigger cell can be automated.



Breeding & screening

The Viscon method offers many advantages for the breeding and screening process. **The ViTray helps you gain a perfect test result**, since the tray is sealed from the top, guaranteeing optimal controlled conditions.

Also uniquely supplied by Viscon is the 'Robot Seeder'. The Robot Seeder can pick and place difficult to handle individual seeds efficiently and quickly. One of its primary uses is for processing smaller batches of seed. The Robot Seeder can fill a complete tray while using seed from different batches.

Using the software of the Seeder, the placement of the seeds can be programmed, stored and printed on the tray. This makes it possible to achieve consistent continuous sowing with recorded tracking information.

The Seeder can place all tests in a tray after which the tray can be sealed and printed with the required information.

Another highly specialized technique is available with Viscon: automation for somatic embryo's, please contact our sales team for more information.





For breeding & screening facilities Viscon supplies:

Complete laboratory setup

- ✓ Growing chambers
- \checkmark Climate control
- \checkmark Trolleys with LED

Somatic embryo production

Automation

- Media preparation
- ✓ Sealing
- ✓ Filling & seeding
- ✓ Transplanting

Packaging for the Viscon method Tracking & tracing software General lab disposables Protocols, training, consultancy



Young plant production

Many young plants can now be grown commercially in a multilayer setup. We can provide you a turnkey laboratory to grow your young plants from seed or to root your cuttings. The Viscon method helps you do this efficient and completely controlled. The micro perforated foil protects your valuable plants, tray by tray. If anything goes wrong inside a tray, this has no effect on the rest of your production. Viscon offers a fully automated setup, all required disposables and consultancy to get you started perfectly.



For young plant production facilities Viscon supplies:

Complete laboratory setup

- ✓ Growing chambers
- ✓ Climate control
- ✓ Trolleys with LED

Automation

- Media preparation
- ✓ Sealing
- ✓ Filling & seeding
- ✓ Transplanting

Packaging for the Viscon growing method Viscon packaging



For the production of finished crops Viscon offers:

Complete laboratory setup

- ✓ Growing chambers
- Climate control
- ✓ Trolleys with LED

Automation

- ✓ Media preparation
- Sealing
- ✓ Filling & seeding
- ✓ Transplanting

Packaging for the Viscon growing method Protocols, training, consultancy

PLANT TECHNOLOGY

Full crop production

We can offer you the opportunity to grow a finished crop in its end-packaging. Different leafy vegetables can be grown in the packaging. First the young plants are grown in the ViTray with foil protection and after that the young plants are transplanted in the end packaging. This end packaging consists of a special micro perforated foil and the young plant can grow to its full potential in this bag. The bag can be supplied to the retailer with marketing labels. For more information please check out our website.

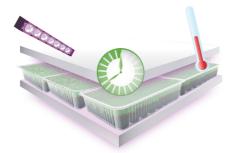




Fill it



Wait for it



PLANT TECHNOLOGY

Our method

Viscon offers a revolutionary method to grow all kind of plants. Reliable, local and in a sustainable way by reducing the risks associated with growing plants in a conventional greenhouse. With the Viscon growing system, the future is here. A fully controlled, fully automated system in which all focus can go out to selecting the best starting material and growing protocol.

The Viscon growing method has captured most of its technology in the innovative semi-closed packaging in which the plants are grown: one tray sized. The Viscon products are the greenhouses of the future: small, fully controlled greenhouses.



How it works

The plants in the packaging are grown in a multilayer system under LED lights in a conditioned growing chamber. Together they make a factory for plants. Due to the fully controlled environment and the sterile conditions, it's one of the cleanest productions methods available. The separated growing packaging precludes the spreading of diseases. Due to the design of the packaging, additional watering is not necessary during the growing process which reduces risks tremendously. Due to the closed environment a minimum in water and fertilizer is required and no pest control is necessary.



A revolutionary method to grow young plants

Excellence in sustainable plant production

Viscon Plant Technology

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