



POST HARVEST, PACKING & STORAGE

Greenhouse grown vegetables



GREENHOUSE GROWN VEGETABLES

Introducing

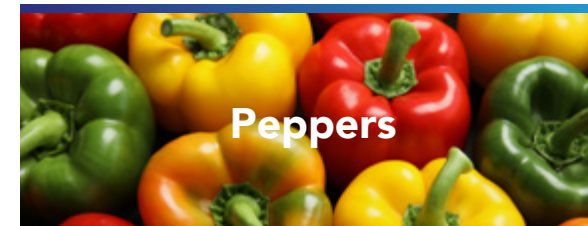
Viscon Fresh Produce is your partner in the delicate and intricate handling of greenhouse grown vegetables. Viscon Fresh Produce specializes in offering total logistic solutions, from harvesting to packed consumer ready products.

Greenhouse grown vegetables include: tomatoes, peppers, eggplants, and cucumbers. Greenhouse grown vegetables have at least one very big advantage from an automation perspective: the overall process in the greenhouse can be controlled to a very large extent. The ability to have a consistent growing process creates great opportunities for high levels of automation. Viscon has been a leading partner to the greenhouse industry for many decades, and has installed hundreds of projects all over the world, with both smaller and larger growers alike. Greenhouse grown vegetables require specialized post-harvest automation, all of which Viscon has demonstrated experience and expertise. Viscon provides specialized solutions in: harvesting, grading, weighing, packing, warehousing, and the handling of

Post harvest automation for:



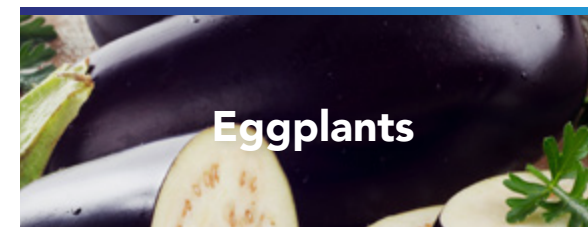
Tomatoes



Peppers



Cucumbers



Eggplants

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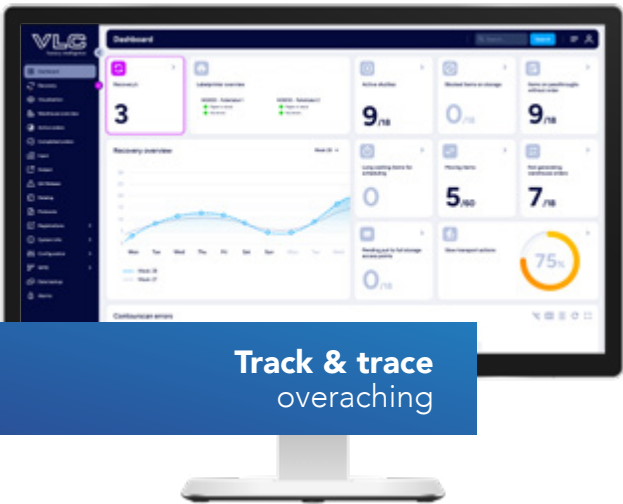
Go to www.viscon.eu and be updated on new developments and case stories.



Turnkey solutions

Viscon Fresh Produce offers a wide range of harvesting, grading, processing, weighing, packing, palletizing, and warehousing systems, including all customized additional material handling solutions. Punnets, bags, boxes, crates, and pallets can be handled by sturdy, reliable and innovative Viscon equipment. Complete production lines can also be designed, supplied and integrated at the customer request.

Viscon also provides software solutions that integrate fully with ours and other related greenhouse systems. We are a one stop shop solution for many fresh produce projects that requires turnkey automation. Viscon has successfully completed hundreds of turnkey projects all over the world.



1. Harvesting



Viscon offers a complete array of plant care and harvesting equipment ranging from: crop protection trolleys, spray equipment, pipe rail trolleys, harvesting trolleys, automated transport systems for storage and/or unloading of harvested products.

2. Grading



Viscon supplies a diverse range of grading systems with optional automated supply and discharge solutions. These graders have the ability to provide a perfect combination of: weight, colour, size, and diameter grading. Available as one line (SLS) and in multiple lane machines (MLS).

3. Weighing



We offer both basic weighing lines, as well as fully automated weighing lines in our range of solutions. These can include: basic weighing scales, bench scales, check weighing systems, and linear and multihead- weighers. Also, Viscon's weigh solutions can be used for process applications in weighing sealed or non-sealed packages, with or without a metal detection devices.

5. Palletising



Viscon's palletising and de-palletising solutions are able to process a diverse variety of: boxes, crates, various types of trays, and virtually any product of a rectangular design. These units can be integrated with pallet strapping and/or wrapping units as well. Viscon supplies several unique buffer systems which enable many types (sizes/grades) of products to be processed through one palletising unit.

4. Packing



Viscon offers a wide range of packing machinery: horizontal & vertical flow wrappers, netting machines, bag fillers, stretch film wrappers, ultasonic welding machines, and machinery for resealable lids. Viscon also supplies several types of case-packers that automatically packs the retail ready products into boxes or crates.

6. Warehousing



Viscon offers fully automated single-layer, and multiple-layer storage systems. Our storage systems combine the highest possible storage density, maximum flexibility, with 24/7 capacity. Our proprietary warehouse control software is an integral part of our turn-key solutions.

ROUND, LOOSE & BEEF

Tomatoes

Round tomatoes are a classic variety tomatoes that are sold off the vine. This type of tomato has been grown for many years. Its' flavour has been adapted to meet today's tastes. Round tomatoes are juicy, with a refreshingly sweet flavor. Tomatoes originate from the Americas and appear to be one of Columbus's many discoveries!

Viscon invites you to discover all we have to offer in the automation of grading, packing & logistics of your round tomatoes!



Our delivery program

- ✓ **Harvesting trolleys** for transport of boxes and plastic crates.
- ✓ **Transport systems** for harvesting trolleys to packing centres. (Person driven or fully automated).
- ✓ **(Un)loading units** for harvesting trolleys.
- ✓ **Tipping systems** for plastic crates or harvesting containers.
- ✓ **Grading machines**, which will grade the produce on size, weight and color.
- ✓ **Automated filling units**, which fills punnets or boxes on weight or volume.
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc.)
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.



Both standalone
machinery and **complete**
lines can be supplied

We translate the unique **demands** of the customer in practical solutions



GRAPE & CHERRY

Tomatoes

A cherry tomato is one of the smaller varieties of tomato that has been cultivated since at least the early 1800s and thought to have originated in Peru and Northern Chile. Cherry tomatoes range in size from a thumb tip up to the size of a golf ball, and can range from being spherical to slightly oblong in shape. The cherry tomato is a very popular product with many retailers & with the hotel and catering industry.

Viscon delivers solutions to meet your needs ranging from the arrival from the greenhouse, up to packed, and palletized product, and everything in between.

Our delivery program

- ✓ **Harvesting trolleys** for transport of boxes and plastic crates.
- ✓ **Transport systems** for harvesting trolleys to packing centres. (Person driven or fully automated).
- ✓ **(Un)loading units** for harvesting trolleys.
- ✓ **Tipping systems** for plastic crates or harvesting containers.
- ✓ **Storage systems** for loose products
- ✓ **Grading machines**, which will grade the produce on size, weight and color.
- ✓ **Automated filling units**, which fills punnets or boxes on weight or volume.
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc).
- ✓ **Case packing machines** for all varieties of packages.
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.



LARGE/BULK

Tomatoes on the vine

Large Tomatoes on the Vine have become a real treat for every consumer. A perfect fresh staple on your counter; (not the refrigerator!) it balances sweet and juicy, and TOV's are marvelous in salads, salsas, sauces and sandwiches. Obviously all tomatoes are grow on a vine, but this specific product is also being sold on the vine. The branches are the first parts of the plant to deteriorate and their presence and vivacity suggests the tomatoes are truly fresh.

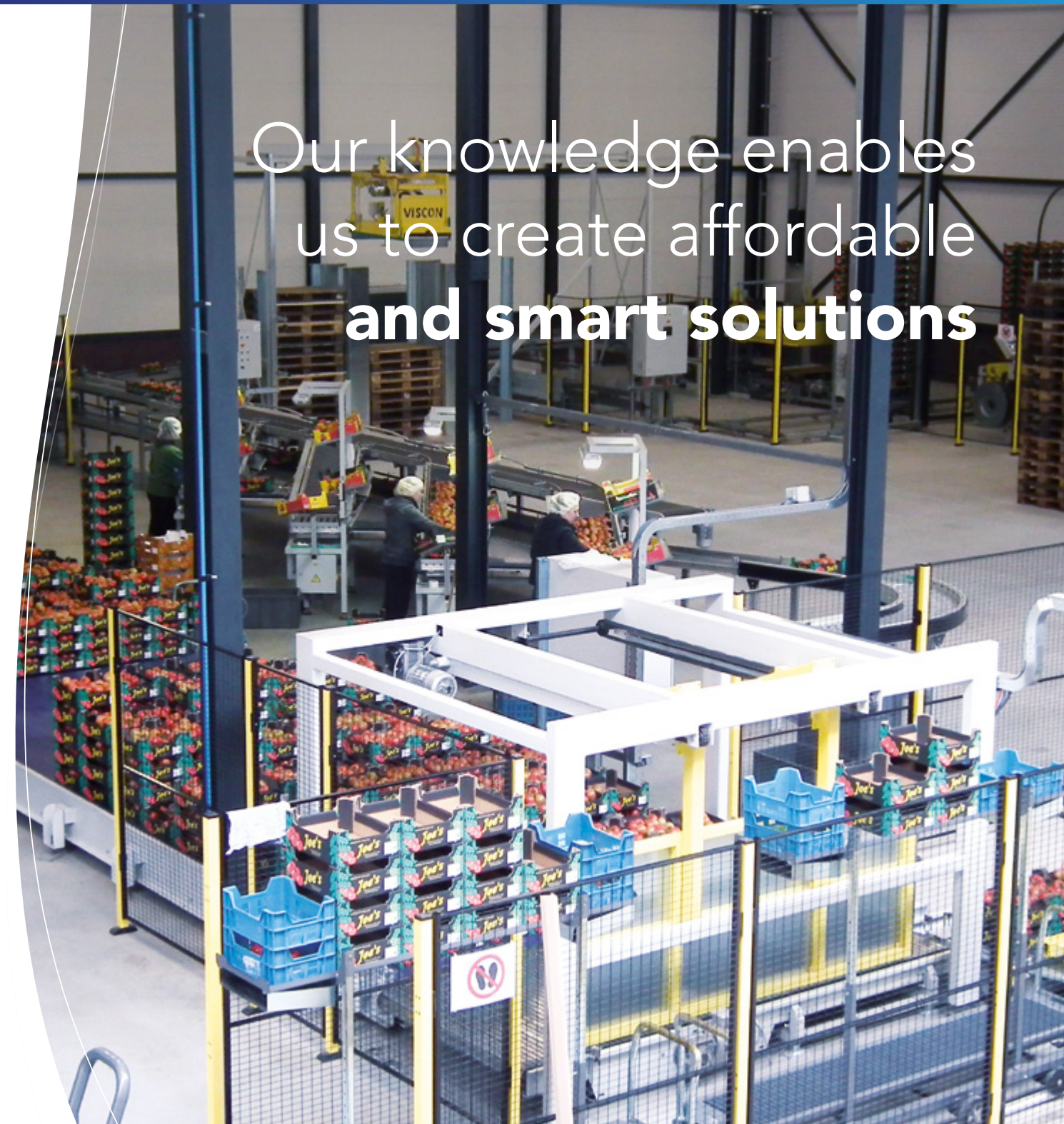
The second advantage is the beautiful fragrance the vine offers, which compliments and enhances the fruits themselves. Handling this premium product from harvest to careful packaging is Viscon's specialty. Viscon can efficiently organize your post-harvest process, and/or automate your complete packing center. Viscon can provide everything required for a turnkey solution to your automation needs.



Our delivery program

- ✓ **Harvesting trolleys** for transport of boxes and plastic crates.
- ✓ **Transport systems** for harvesting trolleys to packing centres. (fully automated)
- ✓ **(Un)loading units** for harvesting trolleys.
- ✓ **TOV processing, trimming and weighing lines** for boxes or crates. Equipped with multiple work stations.
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc)
- ✓ **Case packing machines** for all varieties of packages.
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.

Our knowledge enables
us to create affordable
and smart solutions





Using modular constructions,
**we are able to create
customized solutions**



COCKTAIL

Tomatoes on the vine

Cocktail tomatoes were introduced to the worldwide market in the 1990s. Since then, they have gained substantial popularity due for sure in part to their higher sugar content compared to regular tomatoes and due to their smaller, bite-sized shape.

A specialty product that requires delicate handling and specialized solutions. Viscon can deliver all the automation required for your packing centre, with special focus on weighing, quality control, and logistic solutions.

Our delivery program

- ✓ **Harvesting trolleys** for transport of boxes and plastic crates.
- ✓ **Transport systems** for harvesting trolleys to packing centres. (Person driven or fully automated).
- ✓ **(Un)loading units** for harvesting trolleys.
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc.)
- ✓ **Case packing machines** for all varieties of packages.
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.



GREENHOUSE GROWN VEGETABLES

Eggplants

The Eggplant is related to both the tomato and the potato. The fruit was at one time believed to be extremely poisonous. Now a days the eggplant is very popular, and the main ingredient in several famous dishes like Mousaka and Ratatouille.

Eggplants are a fragile product that need to be handled with precision. Viscon specialized in solutions for harvesting, grading of this vegetable. The handling of boxes and crates can be done fully automated.




Our delivery program

- ✓ **Harvesting trolleys** for transport of boxes and plastic crates.
- ✓ **Transport systems** for harvesting trolleys to packing centres. (Person driven or fully automated).
- ✓ **(Un)loading units** for harvesting trolleys.
- ✓ **Tipping systems** for plastic crates or harvesting containers.
- ✓ **Grading machines**, which will grade the produce on size, weight and color.
- ✓ **Weighing packaging** lines for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc)
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.



Handling of boxes
and crates **can be done
fully automated**





Perfectly engineered
& highly efficient
production systems



BELL & SWEET PEPPERS

Peppers

Peppers are native to Mexico, Central America and northern South America. Pepper seeds were later carried to Spain in 1493 and from there spread to other European, African and Asian countries. Today, China is the world's largest pepper producer, followed by Mexico and Indonesia.

A very popular product worldwide, thus the reason why Viscon has invested in brilliantly engineered and highly efficient production systems for peppers. Viscon automations have effectively handled: container systems, transport, grading, packing, and palletizing with the utmost care for this amazing product.

Our delivery program

- ✓ **Harvesting trolleys** for transport of boxes and plastic crates.
- ✓ **Transport systems** for harvesting trolleys to packing centres. (Person driven or fully automated).
- ✓ **(Un)loading units** for harvesting trolleys
- ✓ **Tipping systems** for plastic crates or harvesting containers.
- ✓ **Grading machines**, which will grade the produce on size, weight and color.
- ✓ **Automated filling units**, which fills punnets or boxes on weight or volume.
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc)
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.



LONG ENGLISH & MINI

Cucumbers

The cucumber is originally from Southern Asia, but now grows on most continents. Many different varieties are traded on the global market. The cucumber originated in India, where a great many varieties have been observed. The fruit of the cucumber is roughly cylindrical, elongated with tapered ends, and may be as large as 60 centimeters (24 in) long and 10 centimeters (3.9 in) in diameter. This makes the cucumber a very specific product to handle post-harvest.

The heavy weight of cucumbers requires solutions for managing labour intensive work. Viscon has solutions available for harvesting, grading, and the packing cucumbers.



Our delivery program

- ✓ **Harvesting trolleys** for transport of containers, bins and plastic crates.
- ✓ **Transport systems** for harvesting trolleys to packing centres. (Person driven or fully automated).
- ✓ **(Un)loading units** for harvesting trolleys
- ✓ **Tipping systems** for plastic crates or harvesting containers.
- ✓ **Grading machines**, which will grade the produce on size, weight and color
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc)
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.



Cucumbers
handled with care

Logistic solutions in post-harvest, packing & storage



Viscon Group

Mijlweg 18
3295 KH 's-Gravendeel
The Netherlands

+31 (0) 78 673 98 98
www.viscon.eu