



POST HARVEST, PACKING & STORAGE

# Mushrooms



# Introducing

Mushrooms are delicate products. Therefore, mushrooms require extra care to prevent damaging and to preserve high quality and great taste. Viscon specializes in the delicate handling of mushrooms, from harvest to careful packing.

Viscon Fresh Produce specializes in complete automation solutions to handle these delicate and high value products. Viscon provides specialized machinery solutions in: harvesting, grading, weighing, packing, palletizing and also box, punnet and pallet handling.

With 45 years of experience in material handling equipment, and more than 25 years in the mushroom market, Viscon has acquired an unparalleled amount of knowledge and experience to assist you in your transition to further automation.

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## Offering automation systems for:



Whole



Sliced & Diced

**Fresh Mushrooms**



**Preserved mushrooms**



# Turn-key solutions

Viscon Fresh Produce specializes in complete automation solutions. From harvest, up to packed consumer ready product. Viscon supplies all material handling required. Punnets, bags, boxes, crates, and pallets can be handled by solid, reliable and innovative Viscon equipment. We are a one stop shop solution for many mushroom projects that requires turn-key automation. Viscon also provides all logistic control software that collects data for tracking and tracing purposes, warehouse management , and labor registration & fault finding.



## Weighing



Viscon provides various types of high speed check weighing lines. Developed with the latest in LED lights and new weighing techniques for faster and more accurate weighing, with minimal giveaway. Viscon also supplies automated linear weighing systems for weighing and filling sliced mushrooms.



## Slicing & Dicing



Slicing of mushrooms for the fresh market requires special techniques. Viscon provides mushroom slicing machines that meets the requirements for food safety. We provide you a uniform slicing and cutting thickness with minimum loss. Suitable to slice whole mushrooms into flat slices or equal wedges.



## Harvesting



Viscon offers a diverse range of harvesting systems. Our newly developed and patent pending system provides a more ergonomic way of harvesting and achieves higher harvest performance compared to traditional systems.





## Packing



Viscon offers a wide range of packing machinery: horizontal & vertical flow wrappers, stretch film wrappers, ultrasonic lid welding machines, topseal machines and machinery for closing clamshells or punnets with re-sealable lids. Viscon also provides labelling and case-packing machines for loading punnets in boxes or crates.



## Palletizing



Viscon's palletizing and de-palletizing solutions can process a diverse variety of boxes and various types of trays. These fully automated palletizing machines can be integrated with pallet strapping and/or wrapping units as well. Viscon supplies several unique buffer systems which enable many types of products to be processed through one palletizing unit.



## Warehousing



Properly cooling and storing the mushrooms after harvest is key. Viscon supplies various automated storage systems which are functional for cold storage. Applicable to store, buffer and dispatch mushrooms from harvest to packed consumer ready product. Including the storage of all product carriers like boxes, trays & pallets.



## Cleaning



Viscon offers solutions for handling the entire cleaning and drying process of crates & pallets. Our washing machines are available in different configurations and can be expanded with a variety of filter systems, drying systems, several options as well as automated loading and unloading systems.



## Track & trace



FRESH MUSHROOMS

# Whole mushrooms

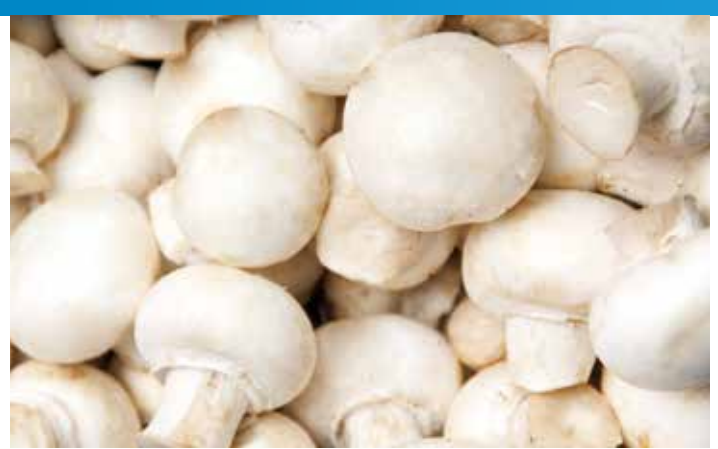
The mushroom is used in many cuisines throughout the world and has become a real treat for every consumer. Fresh Mushrooms require specialized post-harvest automation, all of which Viscon has demonstrated experience and expertise.

Viscon can deliver all the automation required for your post-harvest process, including harvesting, weighing, packing, palletising and warehousing with the utmost care for this amazing product.



**One stop shop solution from harvest to packed products.**





**Handling mushrooms from harvest to careful packing is Viscon's specialty.**



## Our delivery programm

- ✓ **Harvesting systems**, including all needed requirements.
- ✓ **Transport systems** for harvested product to packing centres.
- ✓ **(Un)loading systems** for harvested product.
- ✓ **Slicing and dicing machines**.
- ✓ **Grading machines**, which will grade the mushrooms on size, weight and color.
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc).
- ✓ **Case packing machines** for all varieties of packages.
- ✓ **Tray erecting machines** for cardboard boxes and trays.
- ✓ **Metal detection systems** for punnets and boxes.
- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.
- ✓ **Palletising systems**, including strapping and wrapping units.
- ✓ **Washing systems** for crates and pallets.
- ✓ **Storage systems** for harvested & consumer-ready product.





**Fully automated** palletizing.



FRESH MUSHROOMS

# Sliced and diced

Slicing and dicing of mushrooms for the fresh market requires special techniques. Viscon provides mushroom processing machines that meets the requirements for food safety.

Our processing machines are suitable for slicing whole mushrooms into flat slices or equal wedges. We provide you a uniform slicing and cutting thickness with minimum loss.



CANS, BUCKETS AND BAGS

# Preserved mushrooms

Mushrooms are being preserved in order to extend their shelf life. Fresh mushrooms only keep for about a few days after picking. Preserved mushrooms can be kept for a longer period of time (even up to several years).

Viscon invites you to discover all we have to offer in the automation of sorting, processing, packing & logistics of your preserved and canned mushrooms! All handling of cans, boxes, crates and pallets can be fully automated.



## Our delivery programm

- ✓ **Harvesting systems**, including all needed requirements.
- ✓ **Transport systems** for harvested product to packing centres.
- ✓ **(Un)loading systems** for harvested product.
- ✓ **Slicing and dicing machines**.
- ✓ **Grading machines**, for sorting mushrooms by different sizes.
- ✓ **Weighing packaging lines** for punnets and boxes.
- ✓ **Check weighing units** for punnets and boxes.
- ✓ **Packaging machines** (flow packers, stretch film wrapper, top seal, lidding machines, etc).
- ✓ **Case packing machines** for all varieties of packages.
- ✓ **Tray erecting machines** for cardboard boxes and trays.
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- ✓ **Labelling machines** for punnets, boxes, plastic crates and pallets.
- ✓ **Palletising systems**, including strapping and wrapping units.
- ✓ **Washing systems** for crates and pallets.
- ✓ **Storage systems** for harvested & consumer-ready product.



A photograph of an industrial automated handling system. In the foreground and middle ground, there are several tall, vertical racks made of red plastic crates. These racks are being moved by a system of overhead cranes and vertical guides. The background shows a complex network of metal tracks, rollers, and mechanical components, all illuminated by bright overhead lights. The overall scene depicts a highly automated warehouse or manufacturing environment.

Handling of all boxes, crates  
& pallets **can be fully  
automated**

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