

# LONG-TERM STORAGE

PROTECT YOUR DRY  
PRODUCTS BY VQM





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# WE'RE HERE FOR YOU

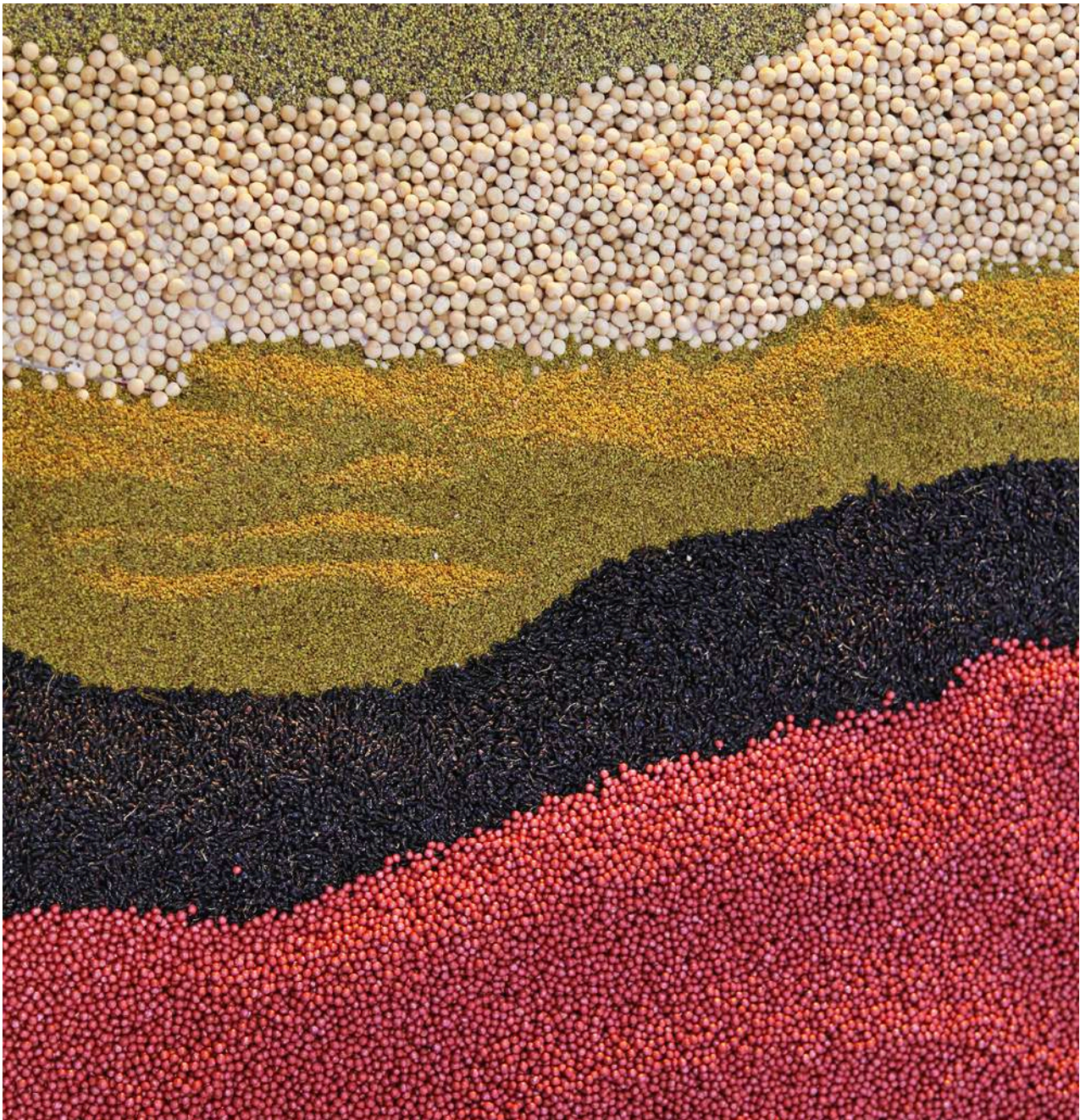
We offer a variety of innovating and sustainable solutions for packaging, sorting and disinfecting your products.



## FOOD AND DRIED GOODS STORAGE

The vQm system offers a simple method for storing food in vacuum-sealed conditions or under modified atmospheric conditions (MAP). This method is an excellent solution for preserving dried goods such as nuts (pistachios, almonds, walnuts, etc.), rice, dried fruits, date, oilseeds, coffee, tea, cocoa, and more. The vQm system prevents oxidation, the development of pests, fungal and bacterial agents, and helps maintain the taste and moisture content of the product at optimal levels.





## SEED STORAGE

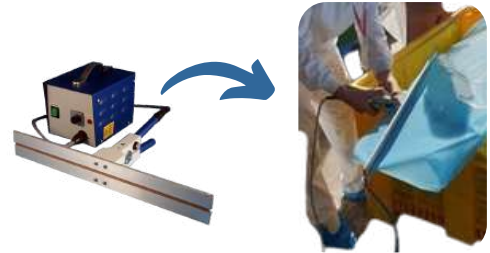
In seed storage, preserving viability and germination is key. While seeds are traditionally kept in stable humidity and low temperatures, recent research highlights that low-oxygen (anoxic) environments are even more effective. The vQm system, combined with specialized vacuum packaging, optimizes seed preservation by maintaining stable humidity and creating an anoxic environment through nitrogen injection and vacuum sealing.

# WHAT IS THE **vQm** SOLUTION?

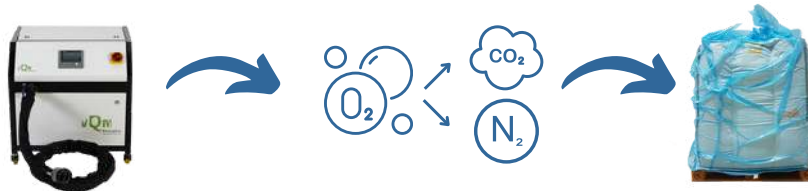
With **vQm** you place your dry products in bulk bags and/or wrapping liners



Once containing your products, the bags are sealed hermetically



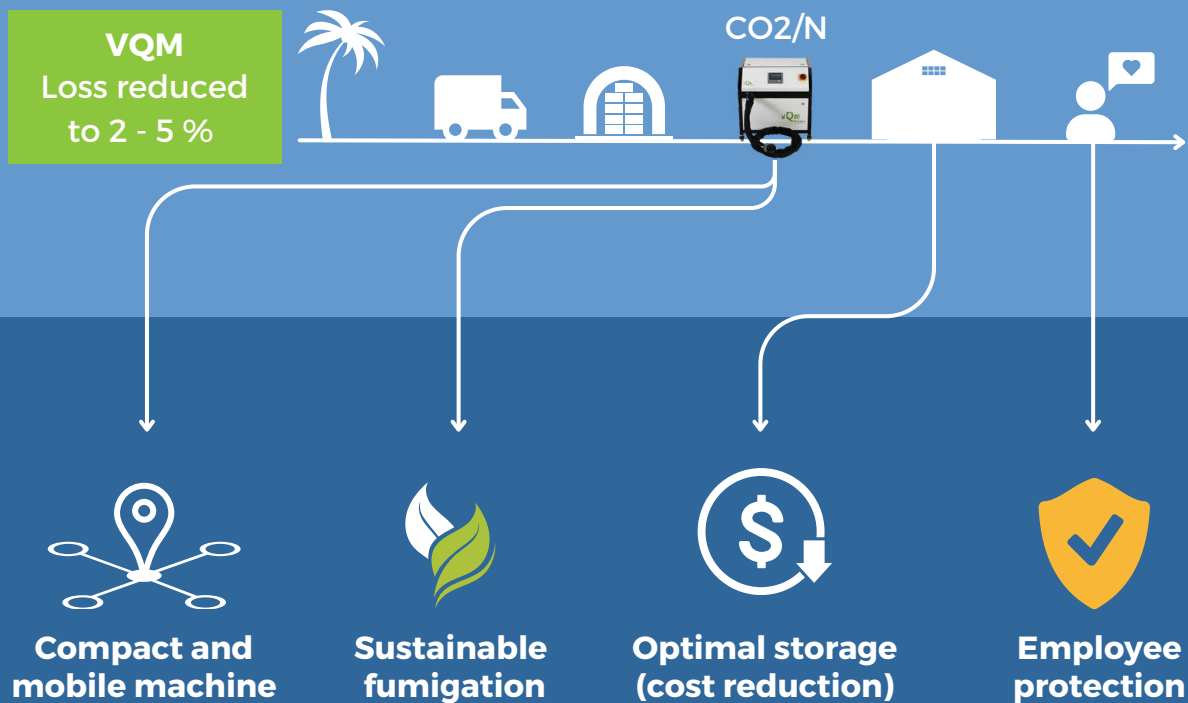
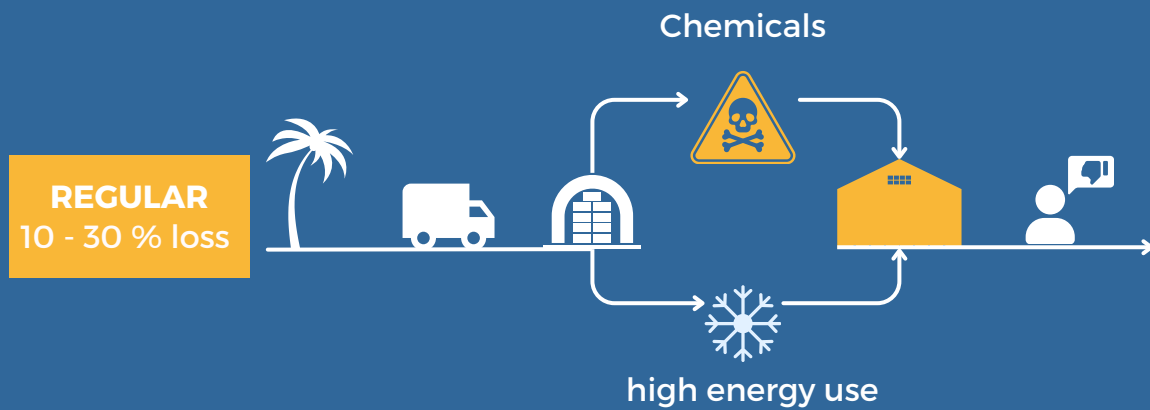
With the **vQm** machine, air is extracted and inert gases (CO<sub>2</sub> or N<sub>2</sub>) are injected in the bags: This way, modified atmosphere pressure (MAP) conditions are created within the bags.



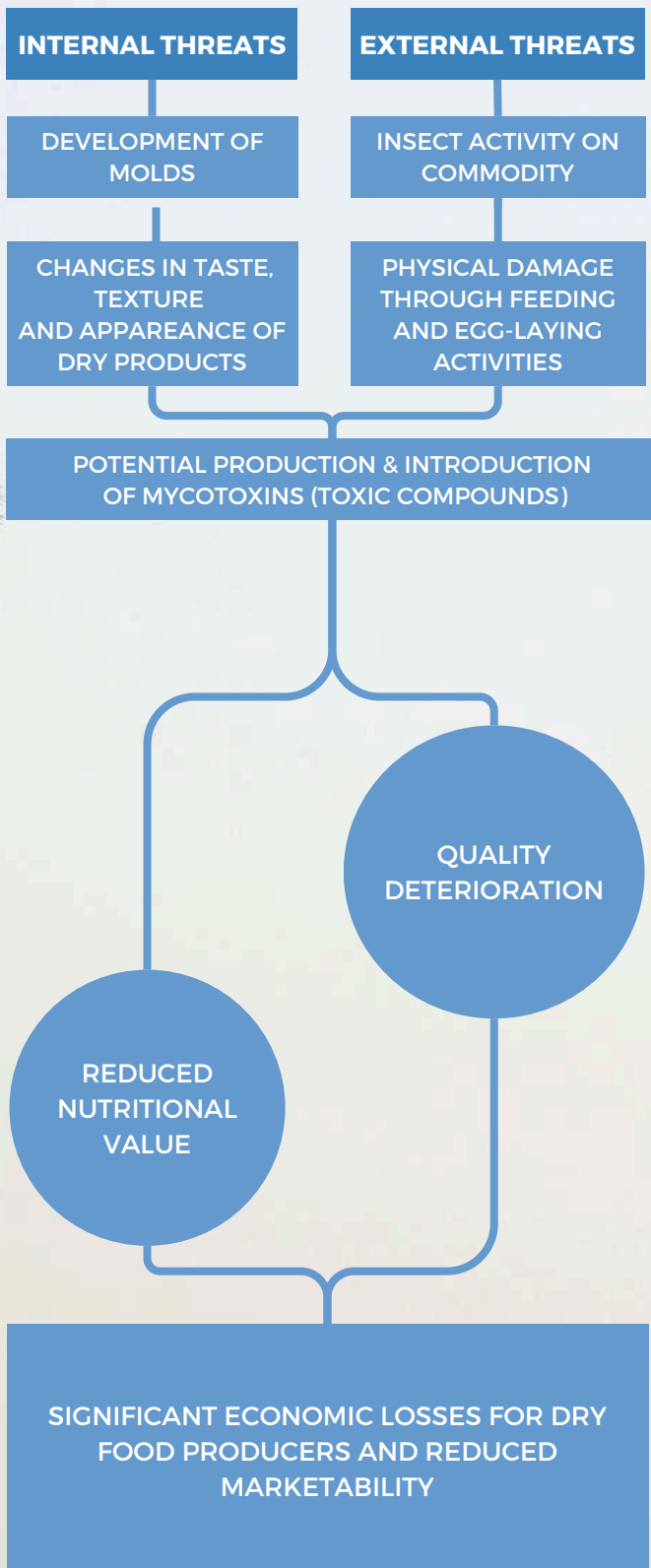
Any insects in the sealed bags will be eliminated due to constant exposure to the inert gas. When kept in the bags, dry products are 100% protected from re-infestation.

MAP conditions within the bag guarantee quality preservation, making long-term storage of dates possible.

# A POST-HARVEST CHAIN REVOLUTION



# VQM TACKLES CHALLENGES FACED BY DRY FOOD PRODUCERS AND EXPORTERS WORLDWIDE





# THE VQM EQUIPMENT



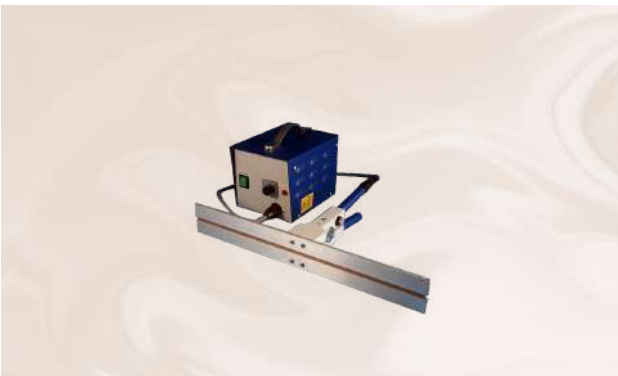
## HIGH SPEED VACUUM UNIT

The new generation of the vacuum machines is the High Speed Unit. Combined with the patented vQm High Speed valve, this machine offers an extremely quick and simple solution to vacuum pack large volumes. The powerful unit can reach vacuum levels of up to 100 hPa.



## PATENTED VQM VALVE

vQm's patented valve allows you to create and maintain vacuum conditions inside the bag at an amazing speed, 1000 liters to 500 hPa within 30 seconds! Flushing with external gas for modified Atmosphere Packaging (MAP) is also possible.



## IMPULSE SEALER

The combination of the generator together with impulse tong is a mobile and easy to handle sealing unit. The sealing impulse is produced in the generator and the sealing is done with the sealing tong, which is connected to the generator.



## OXYBABY CO2/O2 MEASURE

The OXYBABY is an ergonomically shaped cordless O<sub>2</sub> and/or CO<sub>2</sub> dioxide analyzer suitable for single-hand operation. It is intended to be used for analyzing the CO<sub>2</sub> concentration and/or residual O<sub>2</sub> contents in food packages and similar applications.

# CONSUMABLES: VQM LINERS



## BIG BAG WRAPPING LINERS

Wrapping liners are used to wrap pallet-size stacks or large bags, enabling quick modification of the atmosphere in combination with the vQm machine. This process helps protect the product from moisture, oxygen, smells, and other external factors that could affect its quality

## PALLET COVER

vQm's pallet cover solution is tailored for companies storing dates or dry fruits in crates. The system efficiently covers all crates stacked on the pallet. Its mobility also enables fumigation directly at the orchard, offering added convenience.



## BIN LINERS

For companies storing dry products in bulk-bins, vQm offers specialized Bin Liners. These liners are placed inside the bins before loading the dates, ensuring that during storage, the dates remain securely wrapped and protected by the liner.

## FIBC QUADRO

The Quadro big bag is a sturdy, 105x105x120cm bag with a 1200kg capacity and a 7-layer, vacuum-proof liner that maintains its shape. It optimizes space in the supply chain and can be double-stacked in standard containers when not under vacuum.





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