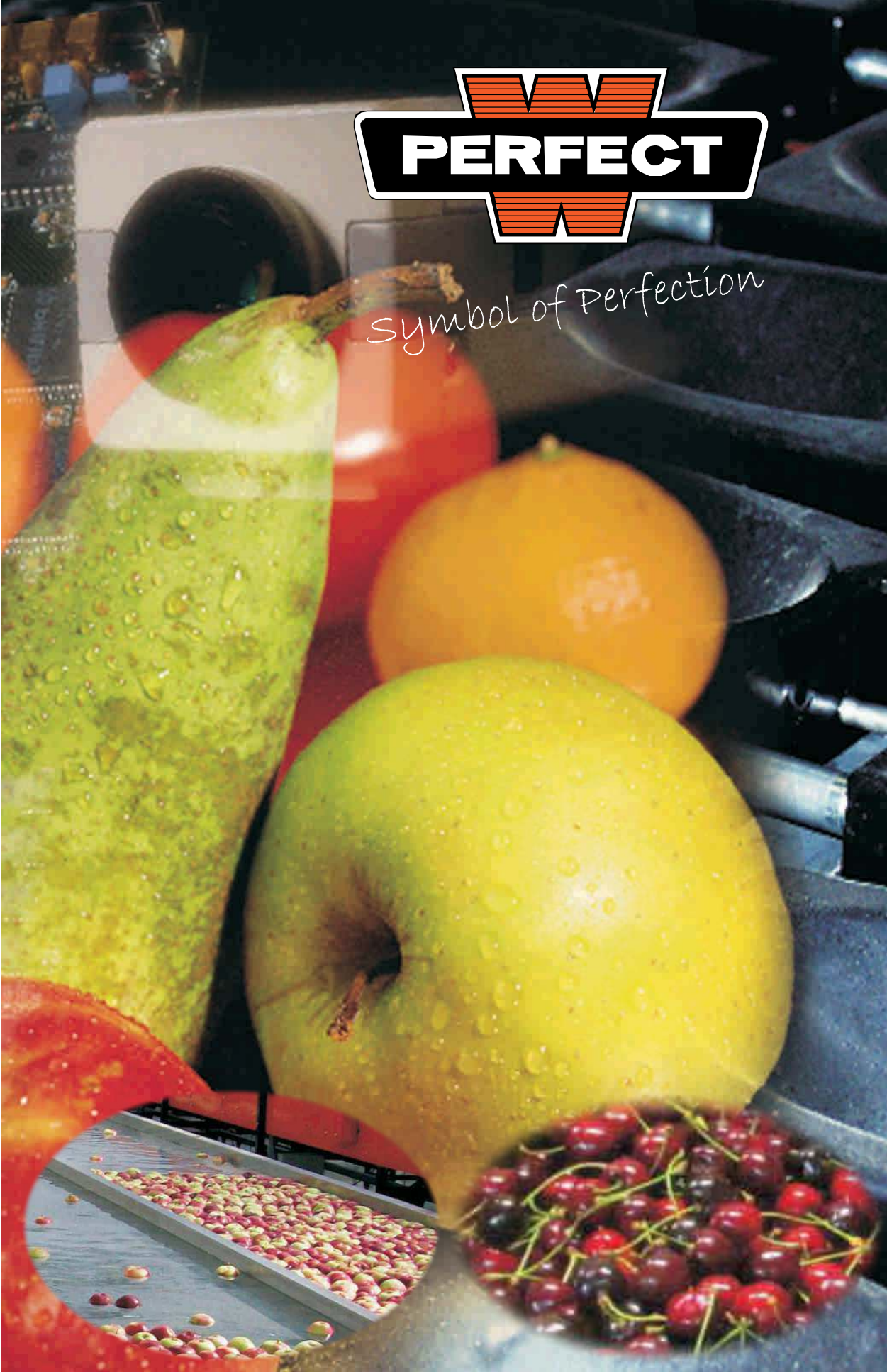




*Symbol of Perfection*



# SORTING AND PACKAGING MACHINES

*Mechanical and electronical systems for fruit & vegetables  
and its peripherals*

[www.vanwamel.nl](http://www.vanwamel.nl)



# SORTING AND PACKAGING MACHINES

## Company philosophy

„Perfect“ - Van Wamel B.V. has over 65 years of experience in the design and manufacturing of specialised machinery for the fruit and vegetable industry. „Perfect“ equipment is popular with professional users all over the world. A specialized dealer network is available to support you.

When designing „Perfect“ favors accuracy and product respect over maximum capacity. Minimal and smart transitions within the equipment lines in combination with the most accurate measurement methods assure very product friendly and accurate grading for a large variety of semi-round fruits and vegetables.

This has resulted in a worldwide reputation as specialist in sorting difficult shaped and fragile products like apples, pears, ripe tomatoes etc.



## All-in supplier



Together with its dealers and distributors „Perfect“ studies every inquiry carefully to be able to supply an equipment line that meets the requirements of each individual customer.

Our program consisting of feeding, sorting and packaging machines makes us an all-in supplier offering turn-key solutions.

The line of „Perfect“ sorting machines includes both economical mechanical weight sorters as well as most sophisticated optical-electronical sorters which can classify products by weight, diameter, colour/blush and external defects.





Symbol of Perfection

## Feeding systems



### Optimal flow to the sorting machine

In the arrangement of any sorting line, the correct adjustment of the feeding line to the sorting machine is essential to arrive at an optimal capacity.

„Perfect“ offers various solutions for the supply of your products. Bulk bin tipper for dry supply of apples, pears, onions, melons and many other products. But also water dumpers for floating products such as apples to assure a constant and damage-free supply of fruits to the sorting machine



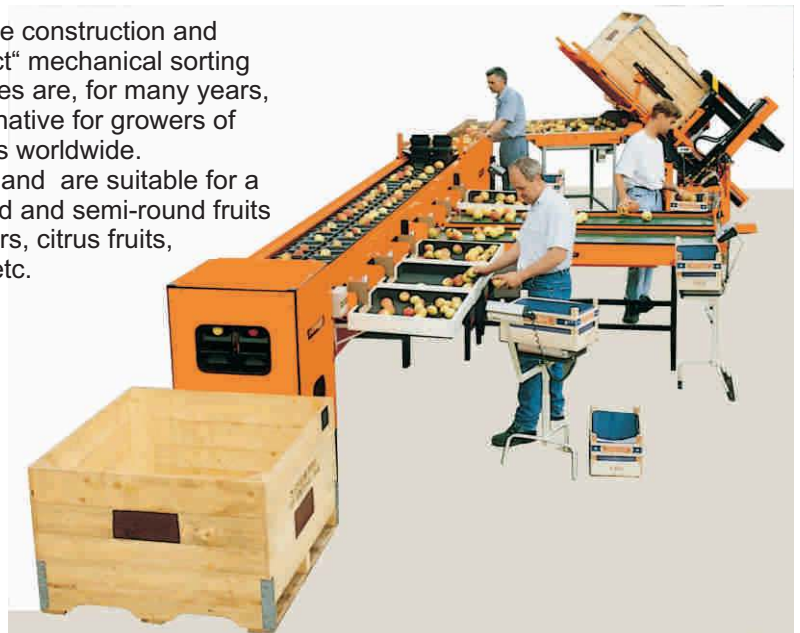
## Mechanical sorting systems

### Mechanical cup sorter

Because of its simple construction and reliability the „Perfect“ mechanical sorting and grading machines are, for many years, an economical alternative for growers of fruits and vegetables worldwide. They sort by weight and are suitable for a large variety of round and semi-round fruits such as apples, pears, citrus fruits, tomatoes, mangos etc.

### Mechanical diameter sorter for cherries, plums etc.

For small round fruits like cherries and plums, these machines sort the products in 4 diameter classes, using 5 pair of angled shafts, with step by step reduced diameters.





# SORTING AND PACKAGING MACHINES

## Electronic-optical sorting machines

„Perfect“ electronic-optical sorting machines are designed around their special universal cups, for sorting fruits and vegetables of difficult shape and size. Also bigger fruits like mangos or avacodos can be handled by these machines.

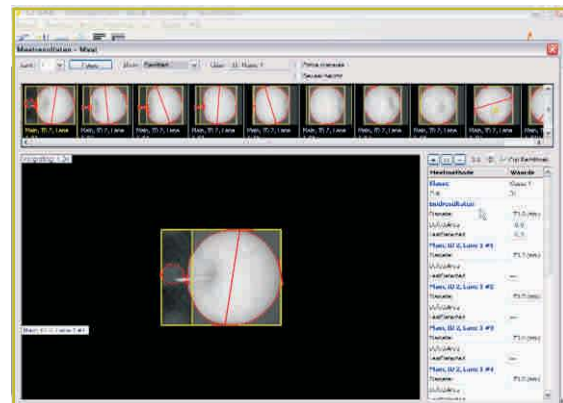


They are available in configurations with 2, 3, 4, 6 or 8 lanes resulting in capacities from  $\pm$  2.000 to 10.000 kg/hour. The positions of the size and spacer sections are determined in accordance with customers' requirements.

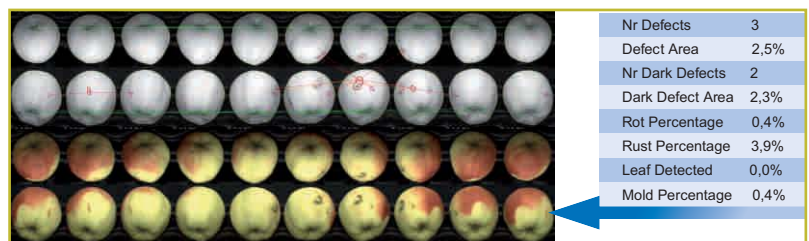
The standard configuration includes a very user friendly Windows 7<sup>(R)</sup> interface and a well-balanced diametrical-size measuring system.

Each individual fruit is scanned in several positions by a high resolution camera. Unique is the software which is not calculating the average diameter, but instead finds the most accurate measurement out of all the pictures.

By means of this unique software the fines grading result can be obtained.



In addition to the standard diameter-size sorting feature several other modules are available to sort by weight, (electronically), colour and/or external defects.



Nr Defects	3
Defect Area	2,5%
Nr Dark Defects	2
Dark Defect Area	2,3%
Rot Percentage	0,4%
Rust Percentage	3,9%
Leaf Detected	0,0%
Mold Percentage	0,4%

## VAN WAMEL B.V.



Energieweg 1 - P.O. Box 4  
6658 ZG Beneden-Leeuwen  
HOLLAND  
Tel. + 31 (0)487-592944  
Fax. +31 (0)487-592970  
Email: perfect@vanwamel.nl  
Internet: www.vanwamel.nl

Dealer: