

 **Delta R1 Vistalys**



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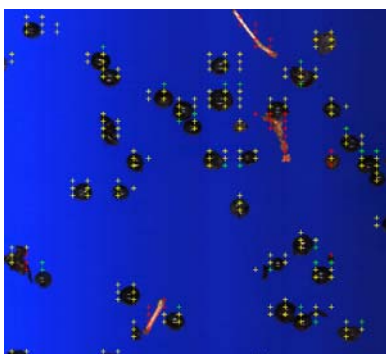
**The automatic and accurate sorting**

The Delta R1 Vistalys enables the user to graduate grape sorting depending on the objective to be reached and the initial quality of the manually de-stemmed or mechanically harvested grapes.

The user can either decide to preserve exclusively whole and healthy berries or decide to preserve crushed berries as well as berries with a piece of stem. The user then decides to eliminate only shot berries, materials other than grapes (MOG)...



Filling and spreading out of grapes



Images analysis and treatment



Sorted grapes

## Description

The Delta R1 Vistalys process is characterized by the management of the successive steps as described below:

- **The grapes are spread out on the table:** a Delta TRV 20 is used to drain de-stemmed grapes and spread the berries into an even layer across the full width of the Vistalys R1.
- **The grapes are conveyed by gravity:** a roller equipped with spikes and a spreader bar distributes the grapes and deliver an even layer and a curtain of berries falling into the video analysis area.
- **Controlled lighting:** the unique use of electroluminescent diodes (LED) ensures a continuous, steady and focused lighting. The proven longevity and low-energy consumption of LED are an additional benefit.
- **Image analysis and treatment:** a linear colour video camera provides a picture of the material to analyse. Images are then analysed by a calculator especially developed for grape sorting.
- **An automatic system of ejection to eliminate all undesirable materials:** once images have been shot, every item defined as undesirable by the operator is automatically ejected.
- **Interface Man/Machinery:** this interface allows the user to define the sorting criteria thanks to a list of pre-set, modifiable programs.

## Options

- Delta TRV 20 vibrating table (dimensions of the vibrating plate in mm): L 2000 x l 900 x H 1600.
- Screw to evacuate undesirable elements.
- Belt elevator to collect sorted grapes.

## Technical characteristics

- 4 wheels with brakes.
- Stainless steel frame.
- Dimensions (mm) : L 2050 x W 1500 x H 1860.
- Maximum flow rate (T/h) : from 3 to 5 T/h – depending on the variety of grapes and conditions of use.

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