

 **Delta E 1**



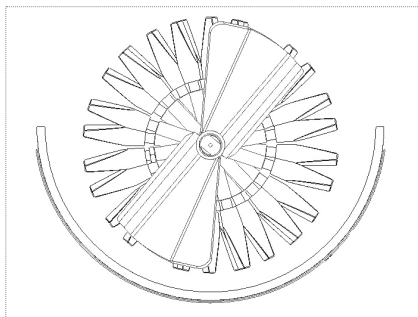
Delta E 1

**Very high quality destemming**

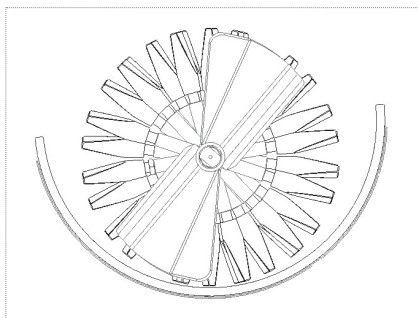
Bucher Vaslin has developed a new high-quality, **low flow-rate** destemming concept, **dedicated to hand-picked grapes**. The objective is to separate berries from their stems while keeping them intact during the operation. This is in order to reduce to a minimum the release of undesirable substances resulting by tearing of stems.



Active grid and destemming shaft



Maximal distance between the extremity of the paddles of the destemming shaft and the active grid - **Position 1**



Minimal distance between the extremity of the paddles of the destemming shaft and the active grid - **Position 5**

### Description

The Delta E 1 destemmer is equipped with 2 essential elements :

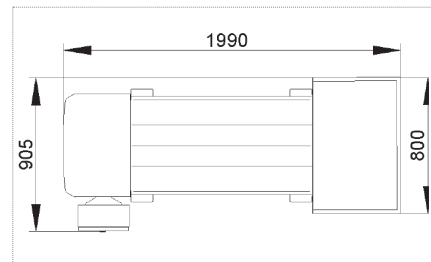
- **Cylindrical cage** : fixed and made of two grids, each representing one half of the cylinder. The grids, in High Density Polyethylene, are thick (around 10 mm) and the punched holes have rounded edges inside and outside (Bucher Vaslin patent). While functioning, the grid in lower position makes up the active part of the cage. The grid in upper position guides the distribution of grapes.
- **Destemming Shaft** : equipped with paddles whose extremity is rubberized, its rotation speed is adjustable (electronic speed variator). The spacing between the extremity of paddles and the lower part of the cylinder (active grid) is adjustable (Bucher Vaslin patent) by the operator for a top-quality destemming (5 pre-set positions). The stems' distribution inside the cage is optimized by the spacing of, and directing by the destemmer's paddles.

### Many technical innovations

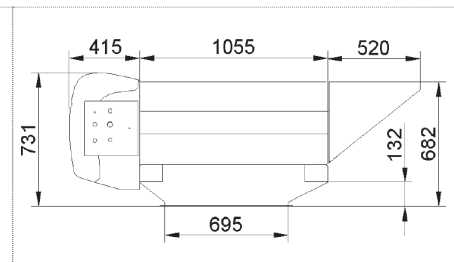
- Punched holes whose diameter is adapted to the berry size.
- Grids may be reversed depending on the grape variety to be destemmed (selection of diameters).
- Non-aggressive punched holes to preserve whole berries and to avoid the release of herbaceous matter and small stem pieces.
- Fixed active grid in the low position of the cage.
- Destemmer rotation speed adapted to the fruit and to the grape harvest.
- Adjustable distance between the active grid and the destemming shaft (Bucher Vaslin patent) according to the physical characteristics of the grape bunch.

### Caractéristiques techniques

- Maximum flow rate with destemmed grapes : 5 t/h.
- Speed : 90 rpm - Power : 3kW - Empty weight : 190 kg.
- Delivered with two fixed grids of different diameter : 20 mm, 25 mm or 30 mm.



Delta E 1 - Upper view



Delta E 1 - Side view

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