

The Delta Mistral[®] sorting line is made up on the one hand of a vibrating table for grape distribution and acceleration with an air jet sorting system and on the other hand, by a conveyor elevator for the transfer of sorted berries.

Main advantages

- Modular concept.
- An efficient automatic sorting system which is easy to set up.
- No grinding of grapes.
- Fast cleaning with a water spray system.
- Minimum maintenance and mechanical upkeep.
- Quick return on investment.

Operation

De-juiced, destemmed grapes are conveyed on a Delta Mistral[®] line distribution and acceleration table. They are distributed in a uniform layer then accelerated to be exposed to an air jet. Large waste items are trapped on a platform while crossing an interchangeable grid at the end of the vibrating table and eliminated manually. An air jet of adjustable power guides the other vegetative waste towards a collecting bin (not supplied) or a conveyor (optional) and leads the berries to two separators which select the intact berries and the crushed berries. The sorted berries are transferred by a conveyor elevator.

Characteristics of the vibrating table for the distribution and acceleration of grapes

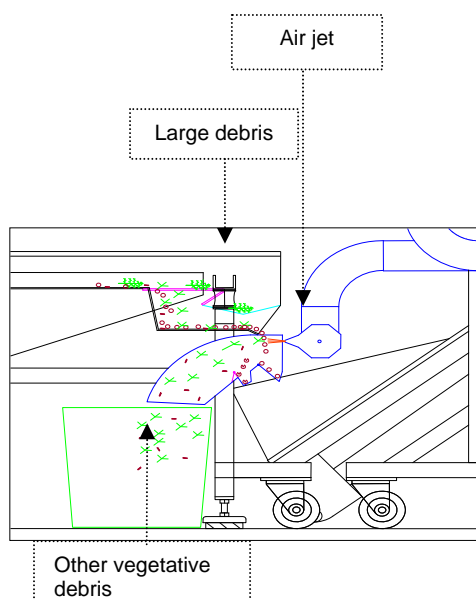
- 304L stainless steel structure.
- Tough chassis on anti-vibratory supports and screw jacks.
- 2 vibrating motors 0,3 kW.
- Fan 2,2 kW with frequency variation.
- 18 mm spacing grid at end of table.

Characteristics of the conveyor elevator

- 304L stainless steel structure.
- Lift 1050 mm.

Options

- Horizontal and / or elevator belt conveyor for vegetative debris.
- Separating grid of 15 mm or 20 mm at end of table.



Air jet functions at end of distribution table.

Vibrating table for distribution and acceleration	Delta Mistral[®] 140
Width of vibrating table (mm)	1400
Overall width (mm)	1404
Overall length (mm)	3818
Feed height (mm)	830
Max flow rate (T/H) (depending on grape variety and grape maturity)	10

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Your success is our priority



Delta Mistral[®] 140



Delta Mistral[®] 140

Automatic quality sorting

The Delta Mistral[®] sorting line is entirely automatic and :

- enables the almost total removal of vegetative debris from grapes (stalks, petioles, leaves...), shot berries, verjuice.
- can separate whole berries from crushed berries,
- can be integrated inside a reception line after destemming,
- is adapted to manually or mechanically harvested de-juiced grapes.