

THE SORTER FOR TOP QUALITY WINE AND OIL



AN **ATS** COMPANY

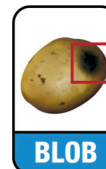
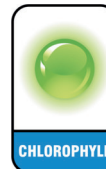
Powered by the Blueight technology, Dionysos is the sorter for top-quality wine and oil which removes all contaminants such as:

- rotten grapes, even if they have the same color of the good ones;
- stalks, leaves and, if requested, green grapes;
- any type of plastic, irrespective of the color;
- any kind of insect;
- dry grapes.

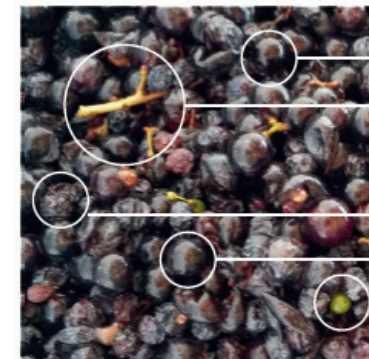


By the Double Rejection System (air jet + air jet) Dionysos can be configured as a 3WAY sorter, to reject on a separate stream the dry grapes, usually addressed to 2nd quality wines. Avoiding the 2nd late fermentation due to the dry grapes this sorter helps in keeping the sugar level under control.

BENEFITS



DETAIL



PH REJECT 2

STEM REJECT 1

DRY REJECT 2

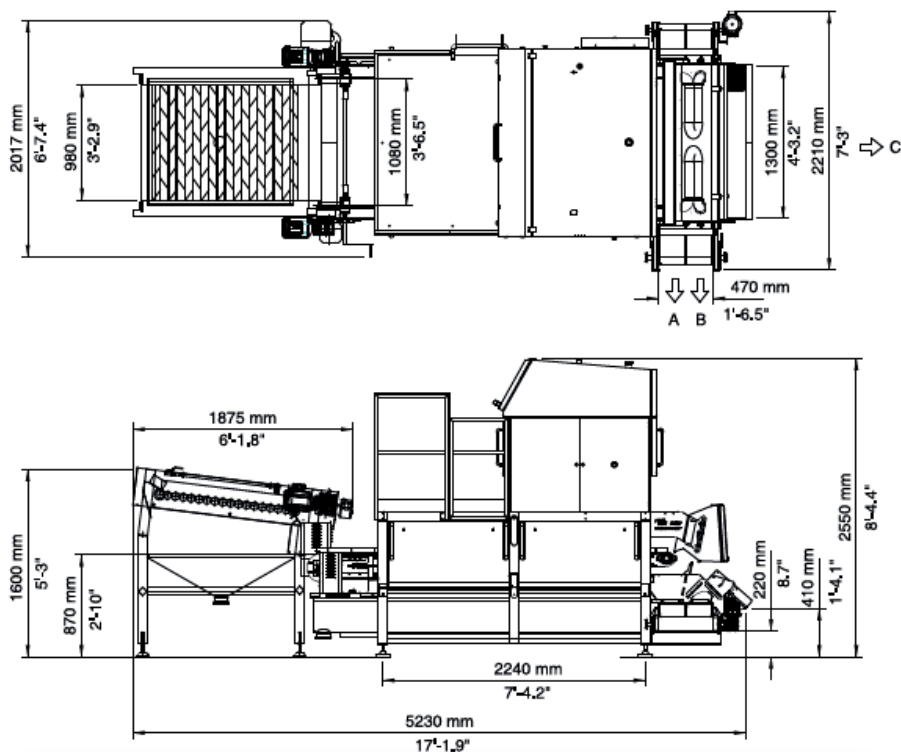
GOOD

GREEN REJECT 1



REJECT 1

DIONYSOS



BLUEIGHT

Blueight is a package of functions based on 8 different processed images obtained by pulsing in a sequence different lights. By this technology it is not necessary to install a different color belt to identify the items, or to sort them by flying on rotating luminous backgrounds.

Benefits:

- it captures images directly by the stream and check the adjustment's results by the graphic interface;
- it analyzes the defects by means of HSL color analysis;
- it checks the chlorophyll content;
- it rejects by size (BLOB) and shape;
- it stops the machine in case of animai detection (or a part of it);
- it detects transparent glass or plastic;
- it rejects grapes with stem.

SMART-JET

For outstanding quality results it is necessary to guarantee not just a perfect sorting adjustment, but also a perfect rejection . activity. Dionysos, equipped with the SMART-JET driver card, makes sure that the array of 112+112 high speed valves, will be perfectly operational not only electrically, but also pneumatically.

| TECHNICAL FEATURES | |
|--|----------------|
| Sorting efficiency - organic defects | 95% |
| Sorting efficiency - non-organic defects | 97% |
| Sorting efficiency - dry grapes (also on 3WAY configuration) | 85% |
| Optical resolution | 0,5 mm |
| Reject channels | 112+112 |
| Reject channel pitch | 9 mm |
| Sorting conveyor speed | 100 -160 m/min |
| Sorting conveyor width | 1081 mm |
| Weight | 1700 kg |



UNYCO is the intuitive and user-friendly software that allows the user to set recipes on the CURIOSITY sorter, according to the product to be selected.

UNYCO software performs the following functions:

- it processes the signals resulting from the interaction of the 10-frequency Decaray with the objects, highlighting the defects with respect to compliant products;
- it recognizes the shape of the objects or parts of them by highlighting incorrect shapes with respect to those of the compliant products;
- it performs statistical analysis relating to the quantity of objects processed, the quantity of compliant products and that of non-compliant products divided by the type of defect and waste output.

Industry 4.0