

Laser/Camera Sorter for Dates

Key's laser/camera sorters are the ideal solution to improve the quality of processed dates. The sorters use cameras and lasers to accurately measure the size and color of each date. The dates are split into two or three product streams based on their size and color. The result is an automated process resulting in higher quality and more accuracy than can be delivered by the human eye.

What our Optyx® 3-Way sorter can inspect and sort:

- 3-Way size grading
- 3-Way color grading
- Foreign Material + 2 colors
- Foreign Material + 2 sizes
- Calix (stem) detection
- Soft fruits - structure



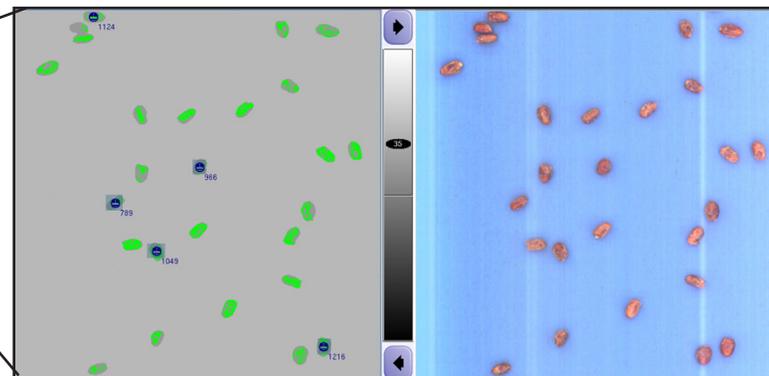
Typical 3-Way color grading result



Typical 3-Way size grading result



Optyx® 3000
sorter for dates



Dates displayed on the user interface split into two categories based on size and color.

Key's 3-Way Optyx Sorter is the ideal solution to improve the quality of your dates.

The sorter uses a combination of cameras and lasers to accurately measure the size, color and structure of each date. Immediately after inspection, the dates are automatically sorted into three grades. The result is a fully-automated process allowing you to achieve higher quality end-products, increase yield and lower production costs.

Sorting Excellence - Powerful Proven Capability

For decades, Key Technology has developed innovative solutions for food processors around the world to help maximize product quality, increase yield and improve productivity. Date processors already use Optyx 3-Way Sorters for color sorting, size grading, soft fruit detection, foreign material removal or a combination of the above. The Optyx 3-Way Sorter enables date processors customers to optimize their product quality, increase yield and enhance overall productivity.

Date sorting capacities

- Up to 4 metric tons (8818,49 lbs) per hour on Optyx® 3000
- Up to 8 metric tons (17636,98 lbs) per hour on Optyx® 6000

Integrated dates processing solutions - more than just sorting

In addition to automated sorting solutions, Key Technology also offers integrated solutions for conveying and processing. Multi-functional Iso-Flo® infeed shakers (for perfect spread and mechanical fines removal before optical sorting) and Impulse® electromagnetic shakers (after optical sorting for feeding multihead weighers and packaging lines) are just a few examples of integrated solutions that add to the overall efficiency of a modern dates processing plant.



Installation of Optyx® 6000 and Optyx® 3000 sorters in a date processing plant

More Key Solutions for the Date Industry



Iso-Flo® Vibratory Conveyor



Impulse® Electromagnetic Conveyor