

Optyx[®]

Digital Camera & Laser Sorter

Features & Benefits

- Multiple camera & laser configurations to match product requirements
- Fluo and IR Laser in-air sorting
- High Resolution Vis/IR, UV or Tri-chromatic camera options
- HID, UV, & LED lighting options
- Simple, user-friendly operation, cleaning and maintenance
- Easy adjustment for product change over
- Information analytics for integration with process controls
- Wet or dry products

Precise Defect Identification

The Optyx sorting platforms are characterized by exceptional color, shape, size and texture recognition. High resolution Vis/IR, Tri-chromatic, or UV cameras and IR or Fluo lasers ensure even the subtlest defects are identified and targeted for removal increasing quality.

Precise Removal of Defects and Foreign Material

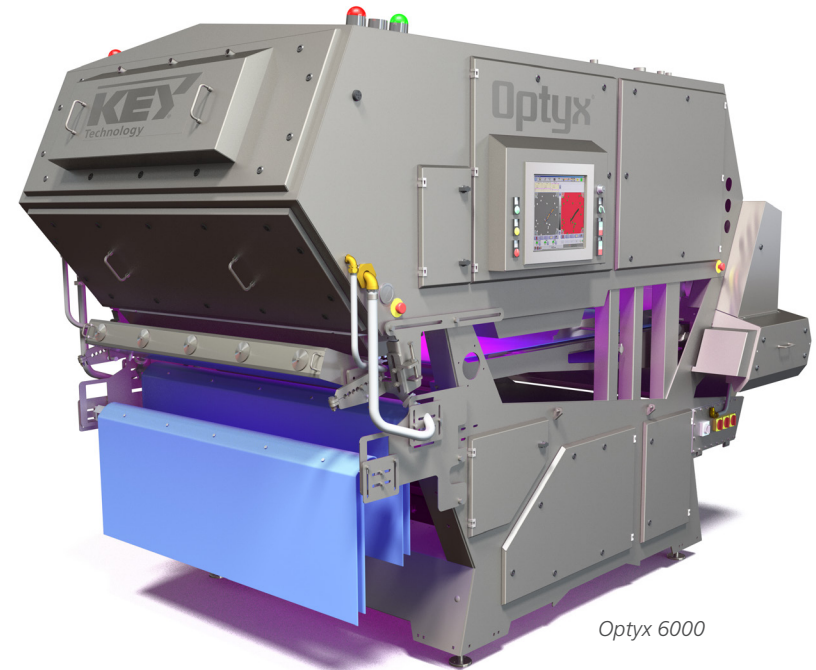
The intelligent ejection system features precision pneumatic-based valves with exceptional response time for pinpoint accuracy. Unparalleled yield improvement can be achieved with the optional three-way sorting.

Intelligent Sorting

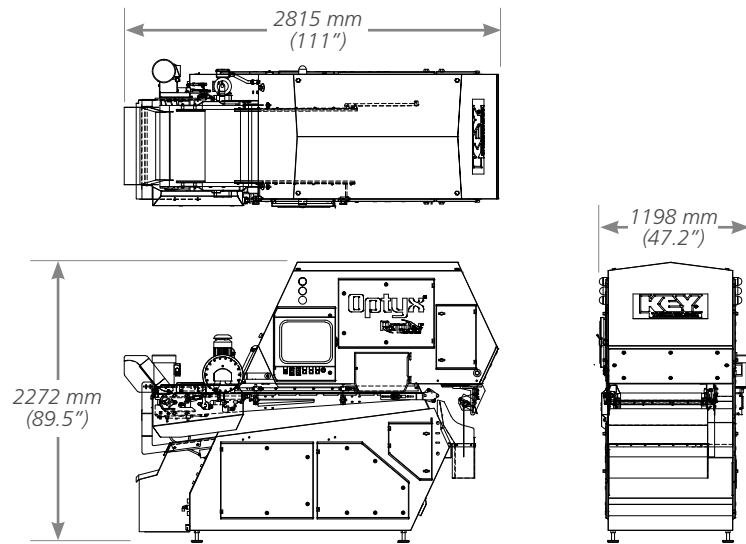
Advanced object-based image processing allows FMAAlert™ to track foreign material providing you with a digital record. Custom algorithms determine shape, length, width, curvature, symmetry, circularity and other special characteristics improving quality.

Real-Time Condition Analysis and Remote Support

Unique to the industry, RemoteMD™ proactively monitors the sorter conditions and alerts plant personnel to changes that impact performance, reliability, and maintenance. The web-based diagnostics ensure the highest sorter availability and productivity.



Optyx 6000



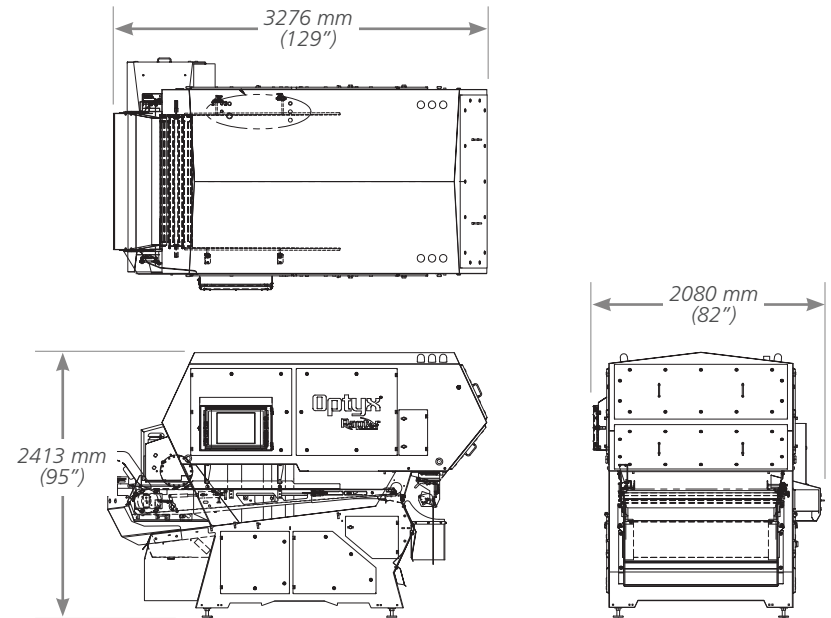
Optyx 3000

Typical Applications

Potatoes (chips, whole, strips, sliced, diced, wedges), fruits, nuts, vegetables, cereal, confectionery, dry beans, fresh-cut (including core removal), raisins, snack foods, wet or dry products.

Sorting Excellence

Green bean processors use an Optyx 3000 to re-sort the defect streams of other sorters to increase yields. The Optyx 6000 with fluo laser enable processors to cut un-cored iceberg and romaine lettuce heads with conventional technology, then use the sorter to remove the core.



Optyx 6000

Results

Increased yields, reduced labor costs, longer shelf life

Capacity

Optyx 3000 up to 6 metric tons (13,000lbs)/hour*

Optyx 6000 up to 12 metric tons(26,500lbs)/hour*

**Depending on product and defect load*