

Manta[®]

High Capacity 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 Manta 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

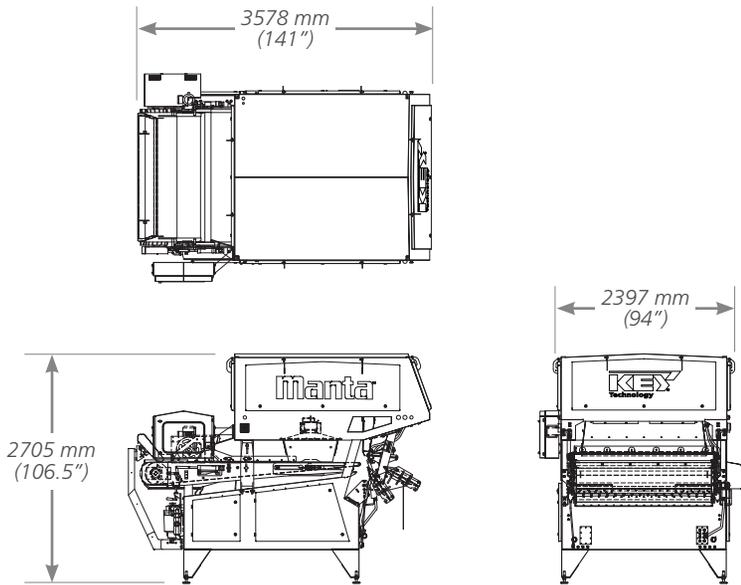
Advanced object-based image processing allows FMAAlert™ to track foreign material providing you with a digital record. Custom algorithms determine shape, length, width, curvature, symmetry, circularity and other special characteristics improving quality.

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.



Manta 1600



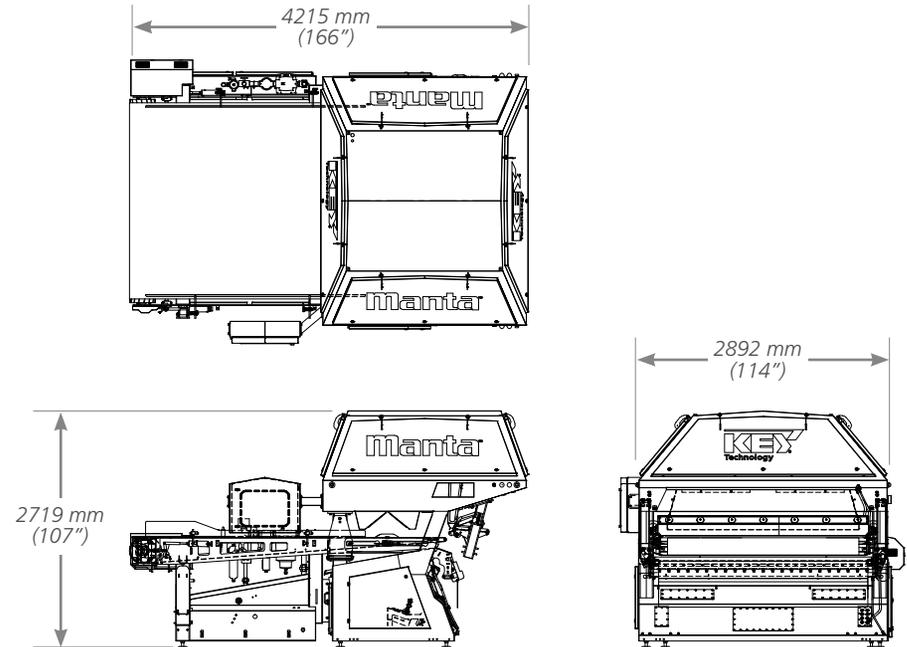
Manta 1600

Typical Applications

Green beans (cut, whole), peas, cut corn, carrots, Potatoes (frozen and strips, chips/crisps), wet or dry products.

Sorting Excellence

A major US vegetable processor runs full factory line-flow of cut green beans through Manta at over 40,000lbs/hour and successfully removes a specific defect that other sorters could not detect.



Manta 2000

Results

Increased yields, reduced labor, increased profit

Capacity

Manta 1600 up to 15metric tons (33,000lbs)/hour*

Manta 2000 up to 20 metric tons (44,000lbs)/hour*

*Depending on product and defect load