Tegra®
In-Air Digital Sorter

Features & Benefits

- Gentle product Handling and acceleration
- Multiple camera configurations to match product requirements
- Vis/IR, UV or Tri-chromatic camera options
- Fluorescent, UV, & LED lighting options
- Simple, user-friendly operation, cleaning and maintenance
- Integrated and automated clean-in-place (CIP)
- Easy adjustment for product change over
- Information analytics for integration with process controls
- Wet or dry products

Precise Removal of Defects and Foreign Material

Tegra's IntelliSort ejection system features 256 ejectors with a 6mm pitch to ensure complete removal of defects and foreign material with minimal collateral damage. Exceptional ejector response time with pinpoint accuracy for unparalleled performance increases yield.

Precise Defect Identification

High resolution Vis/IR, Tri-chromatic, or UV cameras ensure even the subtlest defects are identified and targeted for removal. Object based image processing with sub-millimeter spatial resolution helps you improve quality.
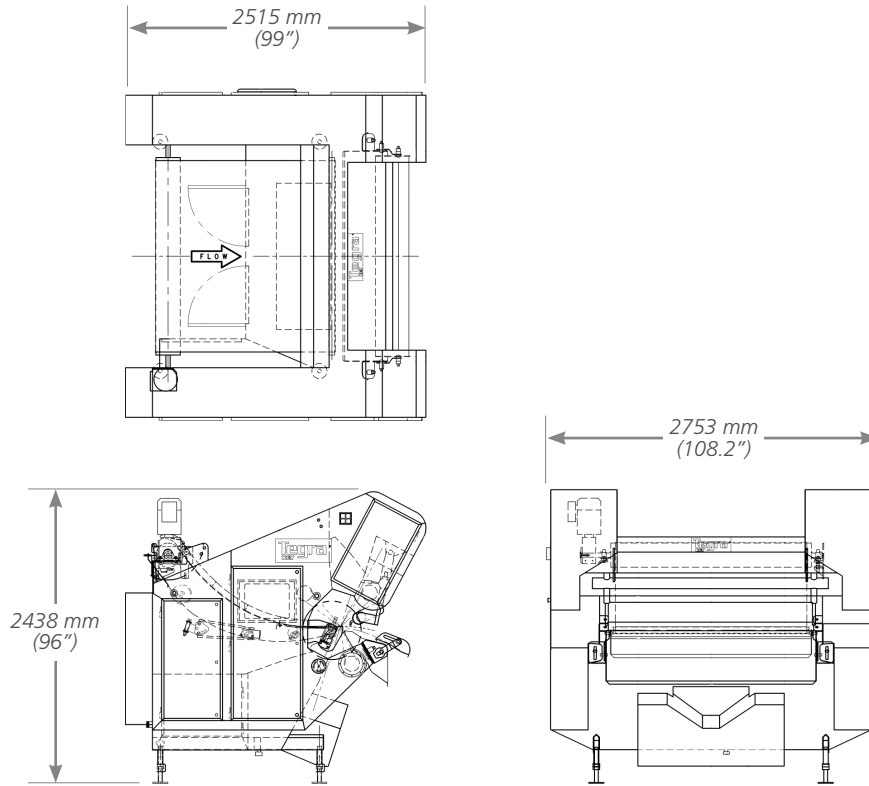
Intelligent Sorting

Top and Bottom cameras view product from all sides to detect size, shape, or color flaws. Contour or centered ejection based on product, defects and foreign material.
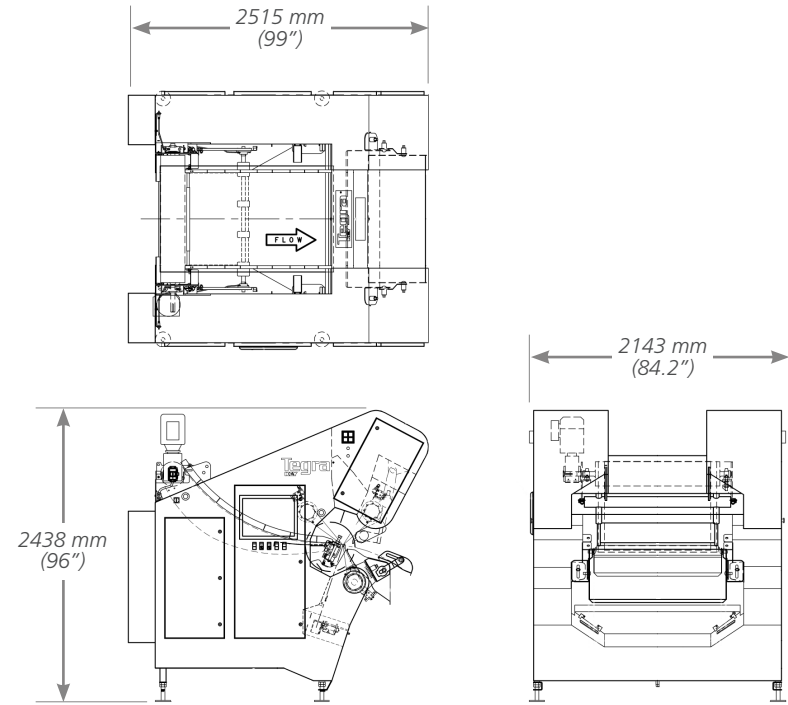
Gentle Product Handling

Tegra's C-Belt uses gravity and centrifugal force to move product into the inspection zone without damage at consistent speed and volumes. The C-Belt stabilizes the product into a single uniform layer with even spacing for optimum viewing resulting in improved quality and increased yield.

Tegra Full-wide

product.info@key.net | www.key.net

2515 mm
(99")

2438 mm
(96")

FLOW

2753 mm
(108.2")

Tegra Full-wide

2515 mm
(99")

2438 mm
(96")

FLOW

2143 mm
(84.2")

Tegra Half-wide

Typical Applications

Vegetables (sliced and diced), fruit (whole, sliced, diced), potatoes (strips, sliced, diced, wedges), candy, coffee beans, nuts, snacks.

Sorting Excellence

Color sorting sliced peaches on Tegra allowed a processor to packs glass jars by color for uniform appearance and high customer appeal.

Result

Increased marketability of finished product

Capacity

750mm up to 7.5 metric tons (16,500lbs)/hour*

1500mm up to 15 metric tons(33,000lbs)/hour*

Depending on product and defect load

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