# Spyder®
## Digital Laser Sorter

## Features & Benefits

- Color, structure, shape
- Multi-spectral laser technology
- Full product viewing with front and rear lasers
- Proprietary Chycane® chute-fed for optimum product control
- Small footprint
- Easy to use GUI
- No moving parts – Low maintenance
- Sanitary design compliant – Full stainless steel/IP65
- 100% digital FPGA technology
- Full remote service via Internet
- Fully modular, retrofittable and upgradeable
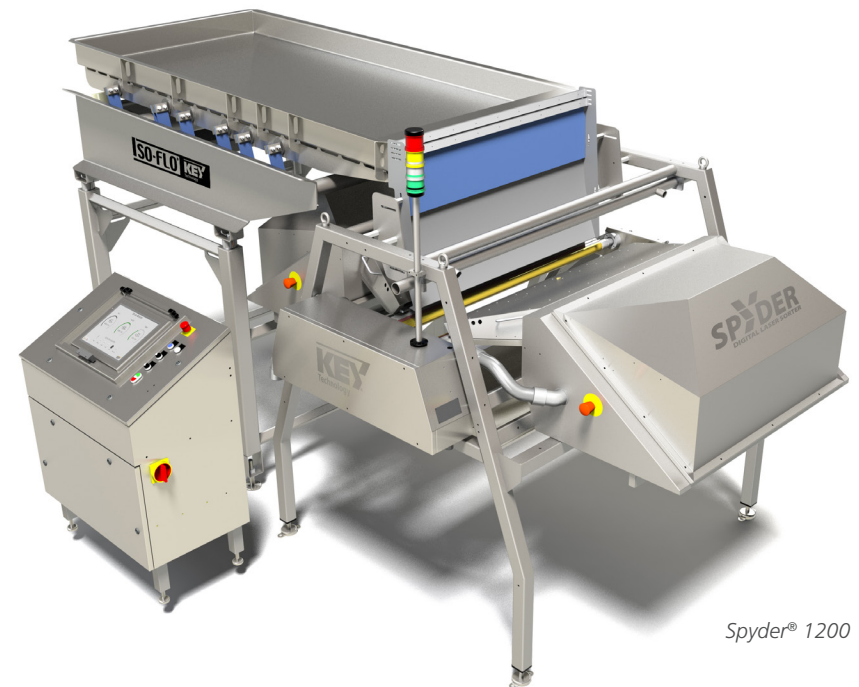
## Uncompromised Sorting

The Spyder® Digital Laser Sorter offers you an uncompromised combined sorting experience for detection and ejection of foreign material, EVM and defects based on color, structure, shape and size differences.
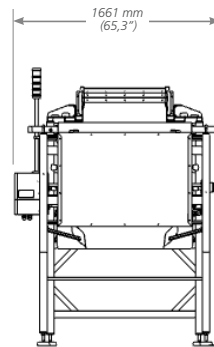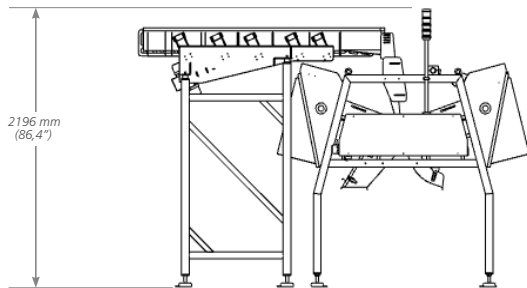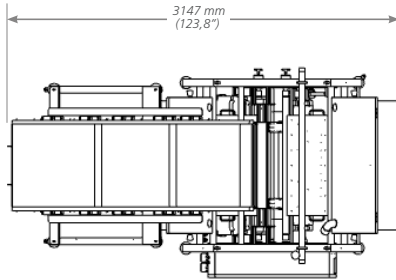
## Improve Product Quality

The Spyder® is a 100% digital sorter. Data is digitized immediately upon inspection to eliminate any loss of information ensuring significantly higher ejection accuracy. False rejects are limited to an absolute minimum improving quality.
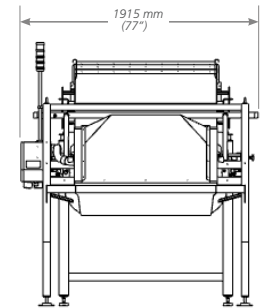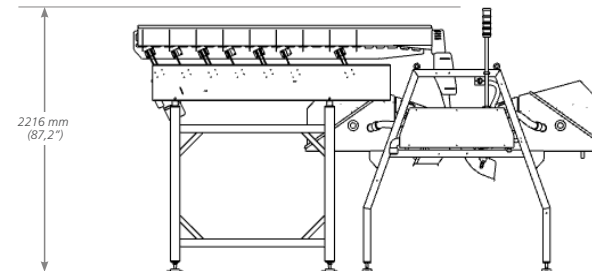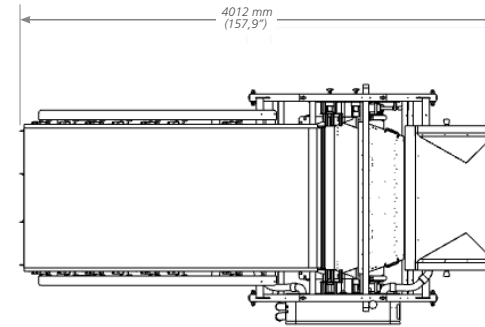
## Improve Yield

The proprietary Chycane® chute feeds the product in a perfect monolayer with a consistent trajectory to the laser optics and ejection valves. This optimized product control maximizes sorting and ejection efficiency, increasing yield.
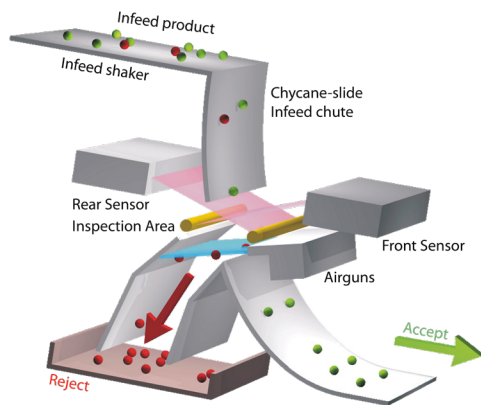
*Spyder® 1200*

3147 mm
(123,8")

1661 mm
(65,3")

2196 mm
(86,4")

*Spyder® 680*

4012 mm
(157,9")

1915 mm
(77")

2216 mm
(87,2")

*Spyder® 1200*



Infeed product

Infeed shaker

Chycane-slide
Infeed chute

Rear Sensor
Inspection Area

Front Sensor

Airguns

Accept

Reject

*Patented Chycane® Chute working principle*
*REV 161110*

## Typical Applications

Dried fruit, frozen fruits & vegetables, nuts, confections, coffee and snack foods.

## Sorting Excellence

With more than 100 Spyder® Digital Laser Sorters installed around the world on a multitude of applications, the Spyder® has proven to be a reliable sorter helping food processors to optimize their product quality, safety and overall yield.

## Results

Reliability, improved yields, improved product quality and safety.

## Capacity

Spyder®680: up to 5 metric tons/hour *
Spyder®1200: up to 10 metric tons/hour *

*Depending on product and defect load*

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