

ORION

Laser-Camera Multi Sorter



PRECISION SORTING



High-Tech



Solid Structure



User Friendly



Fast Service



BENEFITS

- Double side object scanning
- Detection foreign materials with different chemical nature from accept product even if it is the same color.
- Sensitive color sorting
- Ultraviolet reflective objects (Aflatoxine)
- Glass Detection
- Suitable for sticky and non-slip products from vertical ramps
- Can be used for wet or dry products
- Fully stainless steel structure
- Long belt for proper fixing of products to be sorted
- Monophase Electricity
- Ip 65

TECHNOLOGY

- Double side laser scanning units (top and bottom)
- Up to 4000 scans per second with 8 lasers
- Real Hyperspectral scanning unit, up to 6000 scans per second (top)
- Double side high resolution color camera, up to 10000 scans per second (top and bottom)
- Multi signal combined algorithm laser-cam software
- Extra shaker before the feeding belt for the homogeneous spread of the products
- 120 or 240 Air Valves
- Network Connection
- Touch Screen User Interface

FUNCTIONAL DIMENSIONS

- 1200 mm scanning area

TOTAL MACHINE DIMENSIONS

- W x L x H - 2350 mm x 7200 mm x 2837 mm

CAPACITY

- Capacity varies depending on the density of the product kg / m³
- The product with a density of 1000 kilograms per cubic meter can be nominally sorted at four tons per hour

REQUIREMENTS

- Electricity 240 Vac / max 35 A
- Pressured Air min 6 bar / max 10 bar
- Air Quality 40 µm filtered oil free, water free, dust free
- Air Consumption typical 200 m³/h
- Air Connection 1 ½ inches
- Cooling Water min 1 bar / max 3 bar
- Cooling Water Temperature min +5° c / max +12° c
- Cooling water Quality Lime free and reusable
- Cooling Water Connection Inlet / Outlet ø 16 mm fittings