



GENIUS OPTICAL SORTER

**Interested in a free demonstration
with your own product or require more
information?**

Please contact us directly.

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The Genius food sorter uses a combination of various sorting technologies to meet the high food safety requirements of the food industry. The Genius removes all unwanted discolorations and foreign material from a variety of food applications such as vegetables, lettuce, potato products, nuts and many more.

TAILORED SOLUTION

The Genius is a modular sorting machine that can be tailored to your unique requirements and needs. With high resolution cameras and lasers the sorter offers different inspection technologies in different inspection zones. This way, the Genius achieves an unequalled sorting performance.

After being scanned in the different inspection zones, the state-of-the-art air guns reject any defect within milliseconds in 2 or 3 separate streams. The good product proceeds its way in the processing line. Depending on the product, the right size of valve is determined.

BENEFITS

- **User-friendly**
- **High capacity**
- **Gentle handling**
- **Low maintenance**
- **Modular/ upgradeable**
- **Extremely fast payback on investment**
- **Consistent long life accuracy**

TECHNOLOGY

High resolution cameras (colour or monochromatic) inspect the produce on all sides, on or off belt, allowing an optimal detection of colour, structure, shape and biological characteristics. The cameras and lasers can be combined with different types of illumination for each area, such as fluorescent lighting or LED in one area and UV or IR lighting in another area. The Genius comes with different types of laser technologies, among which Fluo, SWIR or Detox lasers.



WORKING PRINCIPLE

The produce is spread uniformly onto the infeed belt and scanned by cameras and/or lasers in the different inspection zones. A few milliseconds later defects are rejected in 1 or 2 separate reject streams by powerful air guns, positioned at the end of the infeed belt. The good produce continues its way along the processing line.

DIMENSIONS AND SPECIFICATIONS*

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed elevation	Power	Air
GENIUS 640	1280 mm (50")	3470 mm (137")	2320 mm (91")	1150 mm (45")	3 ph+N 5.0 kVa	100 psi 7 bar
GENIUS 1200	1890 mm (74")	3720 mm (146.5")	2360 mm (93")	1150 mm (45")	3 ph+N 7.5 kVa	100 psi 7 bar
GENIUS 1600	2411 mm (95")	4160 mm (164")	2630 mm (104")	1150 mm (45")	3 ph+N 10.0 kVa	100 psi 7 bar
GENIUS 2000	2741 mm (108")	4630 mm (182")	2687 mm (106")	1150 mm (45")	3 ph+N 10.0 kVa	100 psi 7 bar

*Information shown for reference and may change depending on the actual application.