

KRAPCO

... crazy for innovation

Walso HSI

After more than 20 years of R&D and cooperation with the biggest walnut processing companies, we are bringing you our new incomparable sorter specially designed for walnuts (working with other nuts as well).

The Walso HSI sorter uses very unique combination of RGB and hyperspectral imaging (HSI) to achieve excellent results in sorting. It removes all unwanted discolorations or foreign materials - shells from a variety of nuts - especially walnuts.



Walso HSI is a revolutionary designed machine for high-speed, precise, sustained food sorting, meeting the high food safety requirements of the food industry.

Walso HSI sorting system is mainly based on processing pictures captured on both RGB and HSI cameras. HSI cameras are able to detect macronutrient chemical composition- the values of fat, protein, carbohydrate and water in products.

The machine can be tailored to your unique requirements and needs. Our technology can recognize any color, shape and structure of sorted material based on requirements or preferences. It can be flexible enough to remove almost any kind of unwanted material such as shells, stone, glass etc.

The main advantage of using Walso HSI is that a job can be done multiple times faster, than by humans. This can lead to increased production rates, especially for industries where production cycle is time-sensitive.

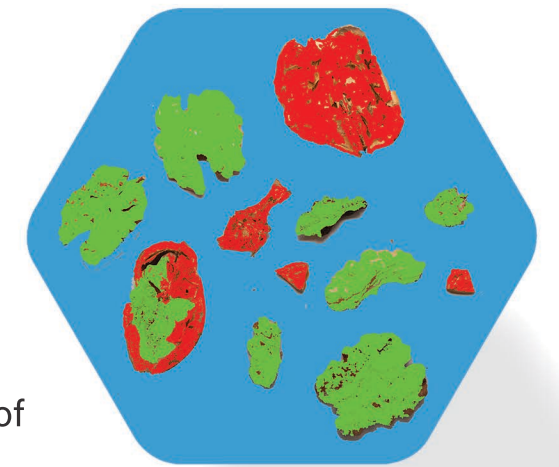
And another benefit of using the machine Walso HSI is an accuracy, it can be very precisely programmed so you can rely on its results always being the same. Walso HSI with its small dimensions, affordable price and high effectivity is suitable even for smaller nut processing companies.

Your benefits:

- Working nonstop
- Lower operational costs
- Long life
- Saves approx. 20 workers in comparison to manual sorting
- No more human errors during counting and failures in items of morbidity
- Space saving, the machine occupies only 1.2 m² space

Technical features:

- Sorting speed: up to 1000 kgs per hour (depends on the amount of impurities in sorted product)
- Dimensions: 1300 x 925 x 1700 mm
- Power: 1 ph+N, 240V, 1000 W
- Air: 7 bar
- Hygienic stainless steel design
- Touchscreen interface
- The setup time is 2 mins maximum



after processing image

● walnut
● shell



original image



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