

Unique, high-performance
optical sorter

SORTOP POTATOES

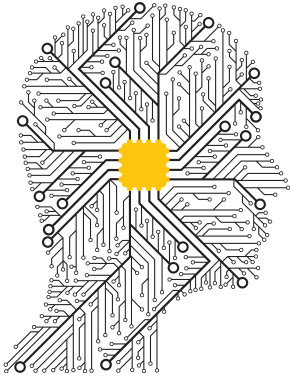
UISAR
SORTING  and it works



Your advantages:

- Worldwide unique, intelligent software
- Highly precise calibration (diameter, length and weight)
- Up to 10 available outputs, customized solutions
- 360 ° HD analysis, unsurpassed sorting quality
- Maximum profitability and efficiency

Intelligent software - acts as a human being



The principle is based on artificial intelligence, which enables the subjective evaluation of the quality, shape and appearance of each potato and thereby **replicates the human appreciation**. Combined with other measurable criteria (the slightest defects such as wireworm damage for example), this setting allows the fine-tuning of the sorting accuracy.

- Statistics function
- Complete traceability of each batch
- Perfect integration of the computer and the electrical control built into a waterproof control cabinet

A person evaluates the quality of the vegetables by precisely visualizing and analyzing the entire surface.

Its assessment is global by combining both quantifiable and subjective information.

Quality criteria may vary based on business needs.

A human being is able to adapt the quality of his sorting, but his constancy decreases with fatigue.

The machine is able to reproduce the work of a human more consistently and more efficiently.

All types of tubers and even carrots

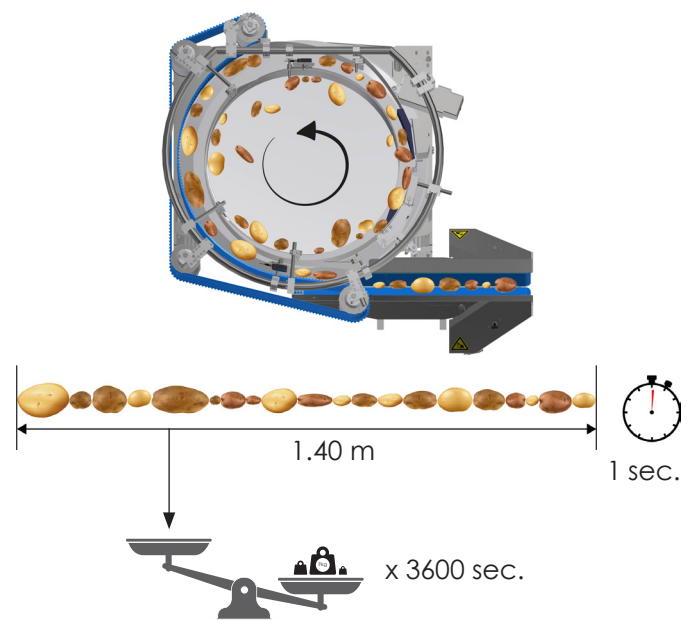
The software Visar VACS is able to adapt very fast: **to washed and peeled potatoes as well as to carrots**. The change of product is easily done by one click. The mechanical elements are designed to resist dust.

Feeding system - increased hourly sorting capacity

A simple and ingenious rotating system aligns potatoes and carrots of all sizes, smoothly and almost without any duplicates.

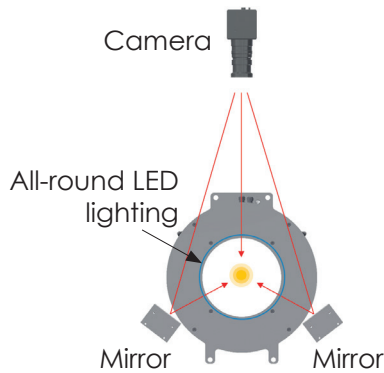
The sorting capacity is **at 1.40* m (4 ft 7 in) potatoes per second**.

The weight of 1.40 m (4 ft 7 in) potatoes per second extrapolated to one hour results in the hourly sorting capacity.



*value varies by product

Optical system - highly precise 360° analysis



Thanks to a mirror system and a very powerful all-round lighting that eliminates shadows, **every vegetable is subjected to a perfect 360° analysis**. The optical system generates 3 immaculate high-resolution images of each carrot. These can be displayed immediately on the computer screen to check the error detection.

- High-resolution color and infrared camera, error detection from 0.16 mm²
- Calibration accuracy at 20 to 90 mm square mesh grading; calibration by the weight of each tuber with a 5% accuracy
- **Visualization of images with display of error detection**
- Accepts all shapes of potatoes and carrots

5 quality levels

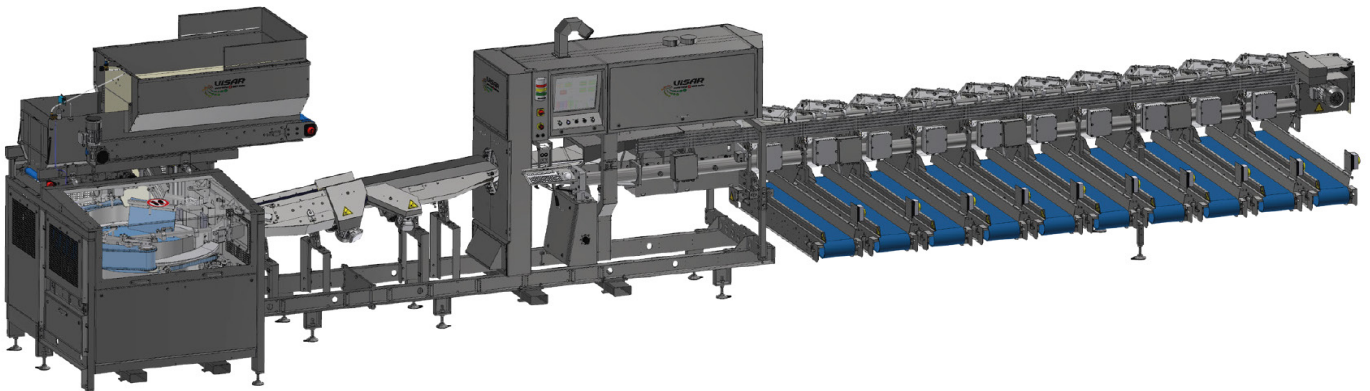
The software allows an easy setting of 5 quality levels (plus waste). The volume and value of the product sold is increased and waste is reduced to a minimum. Thanks to the accuracy of the setting and the unique sorting consistency of the software, **a significantly higher yield per batch is achieved**.

Ejection - gently & exactly

A nozzle system blows the potatoes and carrots towards the assigned outputs with extreme precision. The fall is cushioned by soft materials that **guarantee a smooth landing**.

Up to 10 outputs

The machine is equipped with up to 10 parameterizable lateral outputs and 1 free output for recirculation. The products of each output are passed onto individual conveyor belts. The sorting criteria can easily be adapted to the specific needs of each customer.



Technical data

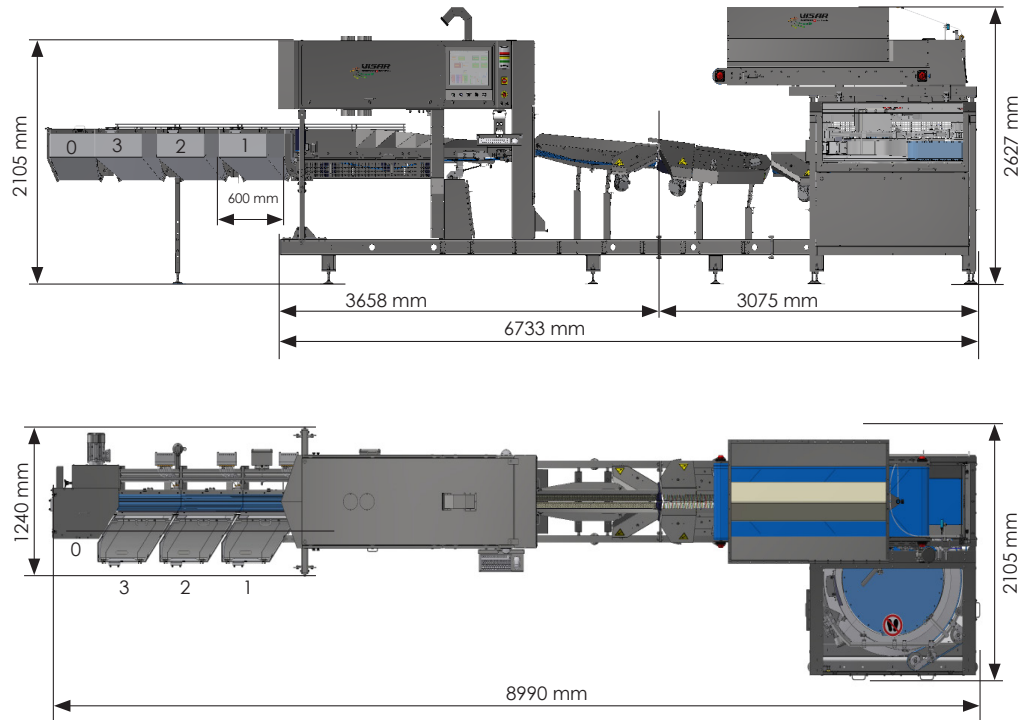
Material:

- Stainless steel
- Food compliant

Switch cabinet:

- CE/UL standards
- Waterproof cabinet

Dimensions:



Our promise

- Highly precise sorting, calibration & weighing
- Quick and easy cleaning
- Swiss quality
- Efficient remote maintenance
- Easy handling
- Competent and fast service
- Low production and maintenance costs
- Customized solutions
- Same harvest - more yield
- Less food waste

For demonstrations & more information:

Contact us now!
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Version: 2025.V1 / We reserve the right to make changes in technology, form, colour, equipment and price. Illustrations may vary.

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