

Unique, high-performance  
optical sorter

# ***SORTOP CARROTS***

VC03

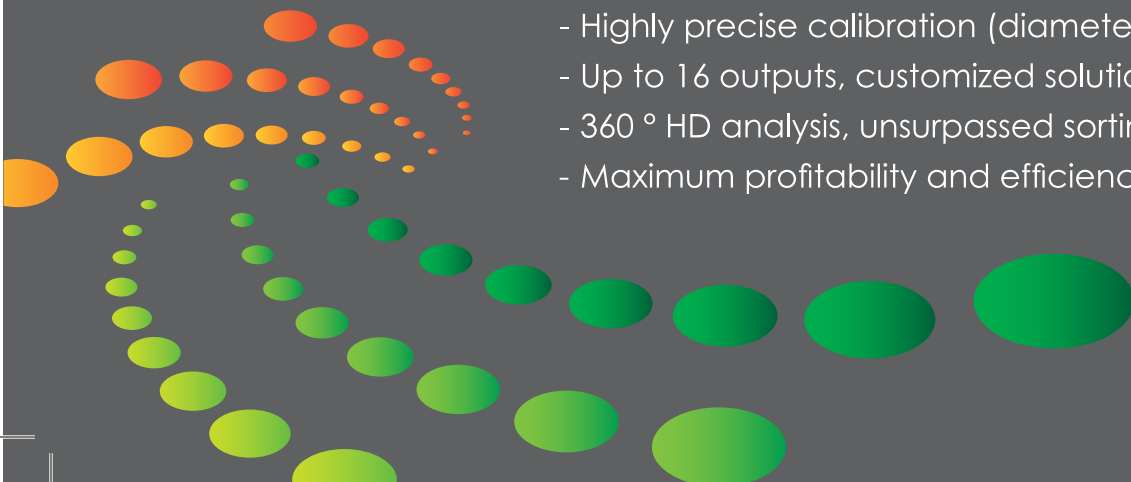
Volm Companies is your  
North American Official Distributor of

**VISAR**  
***SORTING***  and it works

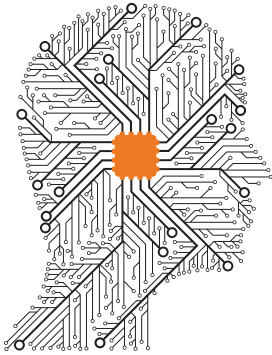


Your advantages:

- Worldwide unique, intelligent software
- Highly precise calibration (diameter, length and weight)
- Up to 16 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 carrot and thereby **replicates the human appreciation**. Combined with other measurable criteria (green collar area, white tip length, stem length), this setting allows the fine-tuning of the sorting accuracy.

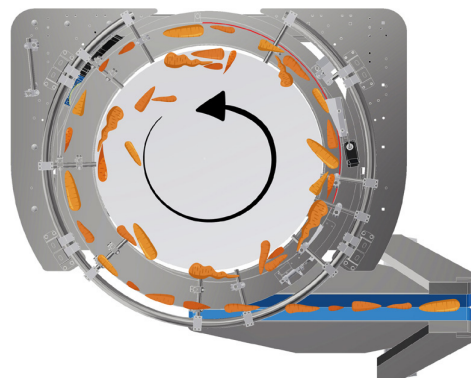
- Statistics function
- Complete traceability of each batch
- Perfect integration of the computer and the electrical control built into a waterproof control cabinet



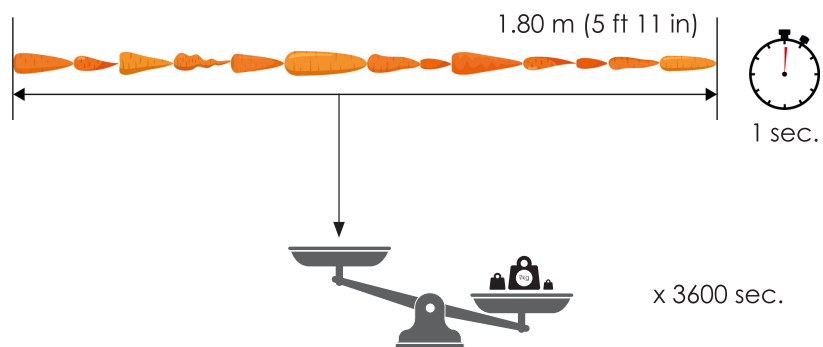
**The machine is able to reproduce the work of a human more consistently and more efficiently.**

## Feeding system - highly increased hourly sorting capacity

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

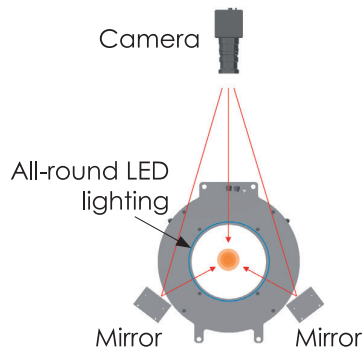


The sorting capacity is **at 1.80 m (5 ft 11 in) carrots per second.**



The weight of 1.80 m (5 ft 11 in) carrots per second extrapolated to one hour results in the hourly sorting capacity.

## 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 mm<sup>2</sup>
- Calibration accuracy at 1 mm, weight estimate at 1 g
- **Visualization of images with display of error detection**
- Accepts all shapes of carrots  
Calibrates sizes from 10 to 80 mm, length up to 500 mm

## 5 quality levels

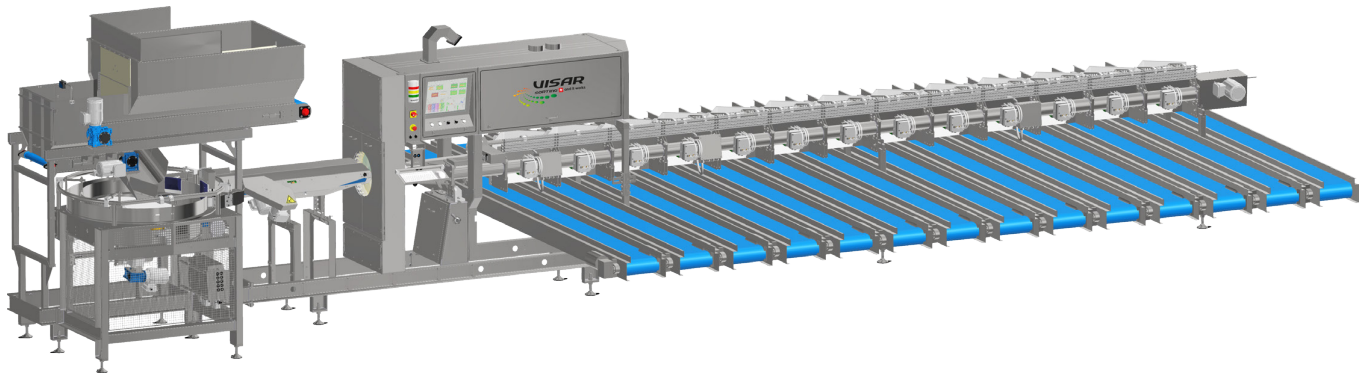
The software allows an easy setting of 5 quality levels (plus waste). The volume and value of the product sold is increased and waste is reduced to a minimum. Thanks to the accuracy of the setting and the unique sorting consistency of the software, **a significantly higher yield per batch is achieved.**

## Ejection - gently & exactly

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

## Up to 16 outputs

There are 4 to 16 parameterizable outputs available. The products of each exit are passed onto individual conveyor belts. The sorting criteria can easily be adapted to the specific needs of each customer.



## Technical data

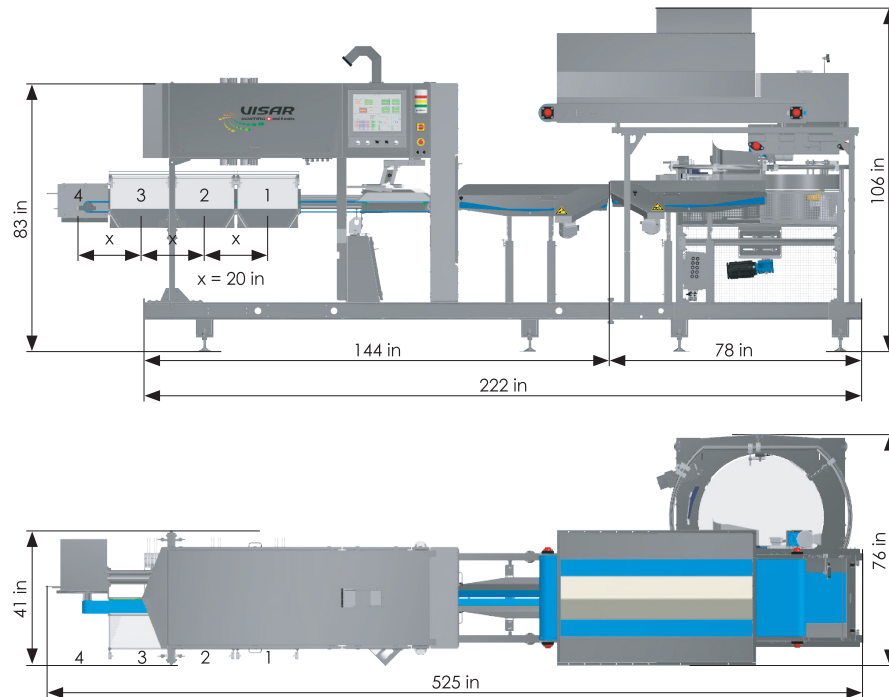
### Material:

- Stainless steel
- Food compliant

### Switch cabinet:

- CE/UL standards
- Waterproof cabinet

### Dimensions:



\*Measurements are rounded off to the nearest inch.

## Our promise

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>- Highly precise sorting, calibration &amp; weighing</li> <li>- Swiss quality</li> <li>- Easy handling</li> <li>- Low production and maintenance costs</li> <li>- Same harvest - more yield</li> </ul> | <ul style="list-style-type: none"> <li>- Quick and easy cleaning</li> <li>- Efficient remote maintenance</li> <li>- Competent and fast service</li> <li>- Customized solutions</li> <li>- Less food waste</li> </ul> |
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# Volm

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