SORTOP CARROTS Revolution

High-performance optical sorter

- Easy and consistent operation
- Best in class sorting quality
- For all carrot types

3 quality levels | 6 outlets | 1 perfect picture at 360°
Stunning performance thanks to the unrivalled power of Visar Sorting’s software. HD vision (0.16mm²) detects the smallest spots, grading with precision of half a millimeter and to the nearest gram and selection on three quality levels in addition of the waste.

“The ability to size, sort and grade like a human with the speed and accuracy of a machine.”

A nozzle system blows the carrots towards the various outlets with great precision. The potatoes fall on soft materials, which ensures a smooth landing. The machine is crafted with washable, soundproof panels and large doors, which make it easier to clean.

Software allows for 3 quality and waste levels easily adjustable with overprinting of detected defects (3 sides of 120°, visualization screen).

A simple and ingenious rotary system arranges the carrots inline without doubles. It increases the capacity to 1.95 m of carrots sorted per second*. This is why we call it Revolution!

Thanks to the mirror system and powerful circular lighting, each vegetable undergoes a thorough all-round analysis. A 360° vision of the carrot is the only way to guarantee the highest sorting quality and grading precision, whatever the shape of the product.

Electric controls enclosed in a sealed cabinet. Control computer with factory-set sorting software ready for production. Waterproof and washable monitor, keyboard, and mouse. Assembly on the left- or right-hand side of the machine.

The software relies on artificial intelligence to assess the quality, shape, and appearance of each carrot.

Combined with other measurable criteria (green collar area, white tip length, stem length), this setting allows the fine-tuning of the sorting accuracy.

This way, you can easily select 3 quality levels in addition to the waste.

“* more details on next page
This sturdy machine has been designed to accept any type of carrots (even crooked and forked ones) with a diameter ranging between 10 and 60 mm and a length ranging between 25 and 400 mm.

Dimensions

Easy to learn and use

The Visar Sortop software is user-friendly and easy to configure. Operators master it in just a few hours. Settings are stable and automatically adapt to the batches of carrots. It’s a breeze! The instant statistics function makes it easier to manage production and use the crop to its fullest potential. The full traceability of each batch is integrated in the software.

✔ Lower your staff costs
✔ Reduce food waste
✔ Sell more at a better price!

Sortop Carrots Revolution can sort 1950 mm of carrots in one second.

Calculate weight for 1 second:

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\text{Average weight} = \frac{x \times 3600}{1950} \text{ kg}
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Sorting capacity per hour depending on average diameter.