

Good reasons for choosing an ESPASO

1. Sorting bleached and green asparagus in a unique measuring procedure
2. Maximum sorting accuracy thanks to the use of two high-resolution measuring cameras, especially of the green asparagus tips
3. Our patented turbocharger ensures synchronised and computer-controlled asparagus transfer to the sorting machine resulting in better machine capacity utilisation with less manpower
4. Extremely low operating costs due to minimal wear - owing to state-of-the-art toothed belts and slide bearing technology
5. No oil in the machine that might influence the taste of your asparagus
6. Extremely gentle cleansing of the green asparagus by using two separate water circuits
7. Easy operation, touch screen menu control
8. Sophisticated diagnosis software
9. Complete accounting system for sorters, cutters and fields
10. Remote servicing and error analysis via an integrated Internet connection
11. Changes in the sorting parameters are possible while the machine is in operation, either on site or via Internet

Sorting criteria



- Length
- Thickness
- Curvature
- S-Curvature
- Purple coloration
- Green coloration
- Flower
- Rust
- Rotting
- Difference in thickness
- Ovality
- Double Spears
- Head curvatures
- Break
- Grooves
- Flower Green asparagus
- Cut quality
- Weight
- Rust on the head
- Stretched length
- White Spots on the foot of the green asparagus
- Recognition of hollow spears (optional)

Espaso[®]
what else?

the automatic asparagus sorting machine by the market leader



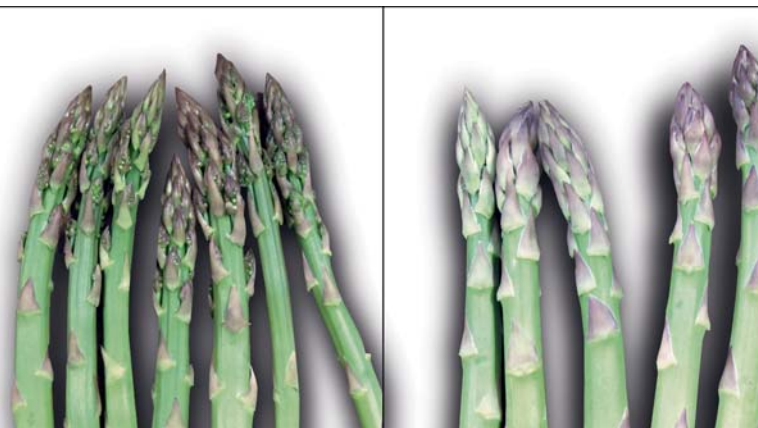
Sorts complete bundles accurate to the gram and is highly efficient

Minimising cutting waste – maximising profits.
Sorting green and bleached asparagus in a professional way!
Optimised weight and cut!

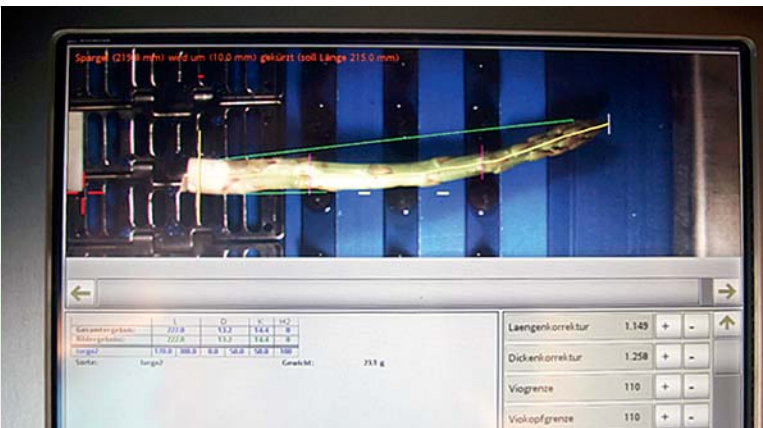
Placement



Measurement



Cutting



Weighing. Perfect sorting



High sorting capacity by patented turbocharger

Full speed to operational success

Every ESPASO is designed to offer maximum sorting capacity. Optimised work processes, intelligent features such as the turbocharger, water jet cutting or integrated weighing make every **ESPASO a high performance system for the sorting of green and bleached asparagus.**

A unique measuring procedure

Optimal sorting in accordance with all sorting criteria

Photos are taken of each spear from all sides to determine all relevant quality criteria and to calculate the weight by volume calculation. **550 Espaso customers all over the world are convinced by our performance in quality and service.**

Water Jet Cutting

The flying knife minimises waste

The actual length of each spear is determined and its curvature is also taken into account. Then the spear is cut to the exact length according to the defined category by the water jet cutting robot. **This procedure significantly reduces the waste of each individual asparagus spear and will markedly improve your profits!**

Exact weighing down to the gram

Increases the sorting performance

The quality and weight of each individual spear are determined by measuring cameras. The individual spears are then brought together in bunches on the asparagus containers on the basis of the previously specified weight categories. Each container is equipped with scales, constantly checking the pre-determined bundle weight tolerances in communication with the sorting calculator. The result is an **optically appealing bundle with all bundles having the same length, diameter and head quality.**

ESPASO S60 with 60 weight storage units. Total length: approx. 30 m

▶ Placement belt – length 6.000 mm

▶ Turbocharger – length 3.150 mm
Automatic, PC-synchronous transfer to the sorting machine.

▶ Cleaning distance – length 2.600 mm

Advantage: high efficiency, less cleaning work

▶ Main unit – length 3.850 mm including the water jet cutting robot, the asparagus washing unit, three high-quality measuring cameras and innovative data analysis units with touch screen monitor

▶ Sorting belt – length 14.500 mm with 60 integrated weight containers

Special length: up to ESPASO S64 upon request. Bilaterally up to ESPASO S128.