

OPTICAL SORTING TECHNOLOGY

Sorting of all products with changing and ambitious geometries

IFSYS optical sorting technology offers an innovative solution for sorting products with changing and ambitious geometries. It replaces manual sorting, increases efficiency, and opens up new possibilities in quality control—especially in agriculture, the agricultural sector, and the food industry.

Our optical sorting technology captures the entire surface of each sorting item without contact using high-resolution cameras or optical sensors.

State-of-the-art image processing systems detect deviations in shape and color.

The sorting items are sorted by artificial intelligence and classified according to self-defined criteria—up to five quality levels are possible.

Complete test results are obtained in a single pass, maximizing throughput, yield, and product safety. Customizable sorting programs also make multiple sorting tasks easy to implement.



At a glance



Full examination: Complete surface analysis for reliable sorting results



Gentle handling: Contactless sensor technology protects the product



AI-supported evaluation: Classification according to color, shape, size, and surface structure



High consistency: Consistent standards thanks to objective criteria



Flexibility: One machine can process multiple products



Self-sufficient: Can be used independently depending on the degree of automation



Ease of use: Intuitive control, less manual intervention

