

OPTICA Q MAXIMUM EFFICIENCY

As fast as three people in the inspection room

The Optica Q is a compact optical quality sorter. It inspects the quality of fifteen to eighteen metric tons of (seed) potatoes per hour. In equivalent terms, the Optica Q reads as fast as three people in the inspection room. This allows the final inspection to be done with minimal labor. And results in significant cost savings and more importantly, opportunities for further professionalization. With the Optica Q, every (seed) potato is measured for its true value, allowing you to maximize your harvest.



What are the unique advantages of the Optica Q?

- ✓ One-pass sorting for quality and clods
- ✓ Sorting capacity of 15 to 18 MT/h
- ✓ Self-developed software platform
- ✓ Compact machine
- ✓ Easy to integrate into existing sorting lines

The Optica Q can be used alongside our optical size sorter, the Optica CS, conventional shock or shake sorters, or in combination with machines from other brands. This flexibility offers solutions for various scenarios. You can process (seed) potatoes, immediately after size sorting, with the Optica Q or even after a storage period. This ensures that you deliver a clean product to your customers.

Maximum efficiency

With the Optica Q, you can sort clods, foreign material, and quality all in one pass. The sorting results are collected in three separate outputs. Potatoes with issues like scab, rhizoctonia, wireworms, shape abnormalities, or damage are easily separated out.

Continuous learning

The Optica Q recognizes a wide range of defects by default, driving the different sorting results. Do you have specific sorting requirements? We can teach the Optica Q to meet your needs.

Flexible deployment

Due to its compact size, the Optica Q can be easily integrated into an existing optical or traditional sorting line, even within a competitor's sorting line.

Invaro software platform

Our self-developed platform is maintained by a team of five specialists, ensuring quick responses to customer inquiries and facilitating improvements based on user needs.



Operation and remote support

- The machine is easy to operate through the touchscreen and comes with pre-programmed programs
- The user of the machine does not need to be technically skilled to operate the machine.
- Marge tolerances can be easily adjusted by the user
- Our machines continuously improve through deep learning techniques
- Remote access interface via the internet for remote service, monitoring, and maintenance
- TCP/IP connection for data exchange
- Daily reports

Your benefits

- Capacity of 15 to 18 metric tons/hour with an average tuber size of 45mm
- Speed and efficiency; the Optica Q's capacity results in significant time savings and increased productivity compared to manual sorting. Furthermore, the machine works continuously without fatigue or breaks, maximizing overall efficiency
- Accuracy: The Optica Q utilizes advanced vision techniques and algorithms to analyse the product based on various parameters, resulting in highly accurate sorting that can even detect minor deviations and imperfections that might be overlooked by the human eye
- Consistency and uniformity: The Optica Q sorts based on objective criteria, guaranteeing consistent and uniform sorting
- Cost savings: The Optica Q inspects as fast as three people in the inspection room, reducing the need for labor. Moreover, the increased accuracy and product quality help improving the profitability of the business
- Compact size: With its compact dimensions of, 4.2 m (14 ft) x 1.55 m (5ft), the Optica Q is easy to integrate.

Curious about the possibilities in your situation? Call: **+31 (0) 527 63 64 65** for more information.



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