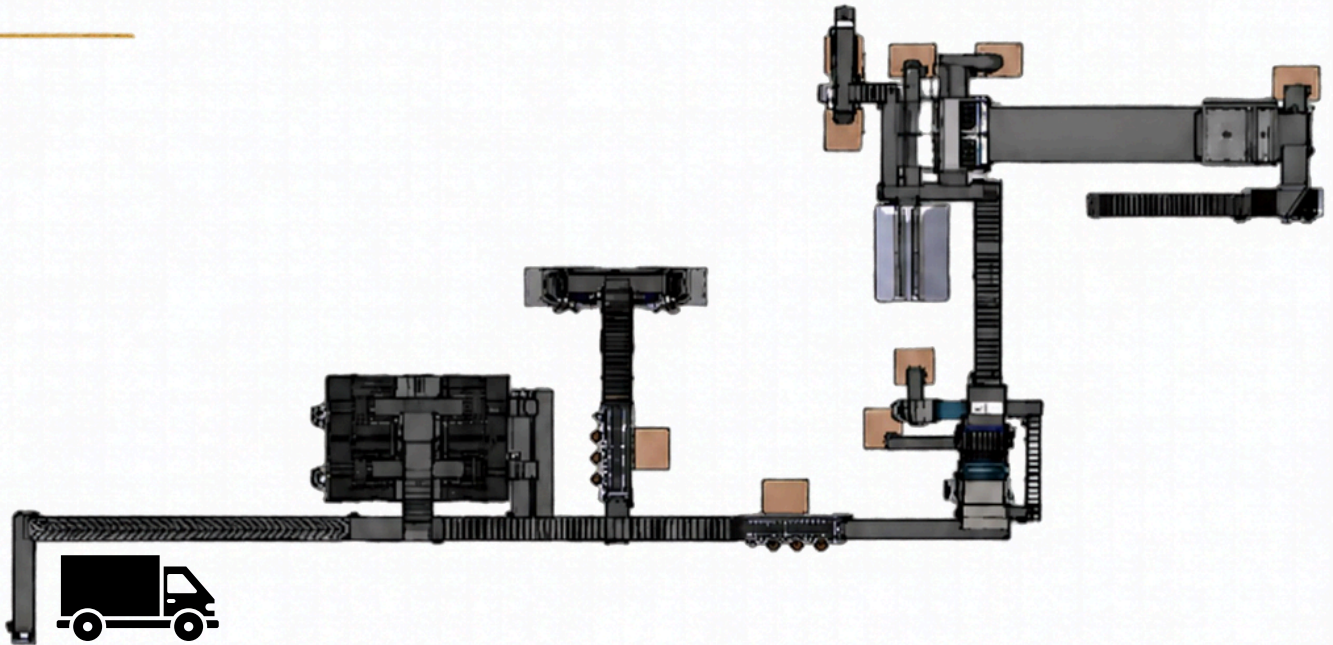


Nordenskov Kartoffler

Complete Potato Handling and Grading Line with Optical Sorting from Skals Machinery



Nordenskov Kartoffler in Varde, Denmark, has invested in a complete new potato handling line from Skals Machinery, installed in newly constructed facilities. The integrated solution combines mechanical grading, optical sorting, inspection, storage and filling in one line, designed to meet the demands of modern potato handling.

A Complete Grading and Handling Line

The installation includes conveyors, a horizontal RPH1024 pintle belt, a BMM2018 brushing machine, PotatoCam and PreCam optical sorting systems, a SDe 2403 grading machine, RB830 inspection tables, AB636 and AVN660 silos, a KFD630D double box filler and a KSV650D double big bag filler.

Potatoes enter the line on the horizontal RPH1024 pintle belt and pass through the BMM2018 brushing machine, which removes loose soil before sorting begins.



Optical Sorting with PotatoCam and PreCam

PotatoCam identifies visual defects in unwashed potatoes using 12 cameras that capture the product from 16 different viewing angles. AI-based image analysis detects defects, while live data provides an overview of defect types and percentages. Sorting sensitivity can be adjusted to suit the product and the required sorting criteria.

After PotatoCam, the PreCam handles the rejected potatoes destined for biogas. It separates stones and soil from the rejected potato material, helping ensure that unwanted materials are removed before the potatoes are sent for biogas production.

Together, PotatoCam and PreCam provide an effective sorting process, identifying defective potatoes and preparing the rejected material for further processing.



Accurate Size Grading with the SDe 2403

The SDe 2403 grades potatoes by size. Its interchangeable grading screens allow the machine to be adapted to different grading requirements, providing flexibility when product specifications change.

Combined with the optical sorting systems, the SDe 2403 brings size grading and defect detection together in one complete solution.



Inspection, Storage and Filling

Following grading and sorting, the RB830 inspection tables provide an opportunity for manual inspection. The AB636 and AVN660 silos provide storage within the line, while the KFD630D double box filler and KSV650D double big bag filler offer flexible filling solutions.

The line also includes a separate integrated conveyor station with a fall damper for bulk filling, allowing trucks to be loaded directly with potatoes while minimising impact damage.



A Complete Solution from Skals Machinery

With this installation, Nordenskov Kartoffler now operates a completely new potato handling line supplied by Skals Machinery.

The integrated solution combines mechanical grading, optical sorting and flexible handling equipment to support efficient workflows and accommodate different grading requirements.

Skals Machinery would like to thank Nordenskov Kartoffler for their trust and for choosing us as their partner for this project.

