

Nest Box Egg Company

Skillnet
INNOVATION
EXCHANGE

Challenge Brief



The Challenge

The challenge will address a problem with packing eggs into boxes (Pick & Place).

Due to the physical demands of the work, it has become difficult to retain staff to complete Pick & Place at speed, leading to high labour turnover costs. Nest Box Eggs is looking to the Innovation Exchange for a solution to automate this process, integrating with their current systems and conveyors.

In the past the Nest Box Egg company has had to reduce the machine speed due to staff capabilities vs the machine potential speed. The job is very repetitive and monotonous.

In [this video](#) you can see the operator is manning on lane with 2x product lines which they will pack simultaneously on a 8hr shift. This is a high speed high speed line – they have 3 or 4 sets of these lanes with double lines. (Requirement for 3 or 4 automatic packers if possible)

The Nest Box Eggs Company needs to automate this process. They are open to all options with an open mind and alternatives not widely used. They want the best solution that works for Nest Box and integrates/aligned with their current systems and conveyors (Main Equipment is Moba Grader PX 350 & Links to Ovotrack – our Track & Trace System).

Picture of One lane - Two lines



Picture of all packing lanes



See below some videos of what is currently in the market & at the bottom a picture of what has been recently revealed at a potential supplier based in Netherlands.

[Moba MR12 - YouTube](#)

[Egg Case Packer Robot - Case Packer Twin - Case Packing Solution for Every Egg Grading Business - YouTube](#)

Latest update from
Dutch company Sanovo

#Egg Packing 🥚

Innovative Solution in Grading and Packing: The Case Packer CoFlex

The introduction of the CoFlex marks a step forward in offering a more economical, space-saving option. Its compact design allows for easy integration into existing production lines, optimizing space usage, simplifying installation, and minimizing operational disruptions.

Suitable for both small-scale setups and large-scale facilities, the CoFlex enables businesses of various sizes to automate their grading facilities efficiently.

[Read more](#)

