

FUELING INNOVATION WITH NUTRISET'S AUTOMATED SOLUTION FOR GLOBAL NUTRITION



Industry
FOOD & BEVERAGE



Solution
PALLETIZING



Location
FRANCE



Units
1



Company Size
280



Key Results
**6 MONTHS
PAYBACK PERIOD**

INTRODUCING NUTRISET

Nutriset, a French company specializing in the fight against malnutrition, specializes in the **production of nutritional foods designed to meet global health challenges.**

As part of its ongoing commitment to innovation, employee well-being and operational efficiency, Nutriset sought to automate its palletizing operations. Nutriset partnered with Robotiq to **implement a collaborative robotics solution that addressed both productivity and workplace safety concerns**, streamlining their palletizing process and reducing physical strain on employees.



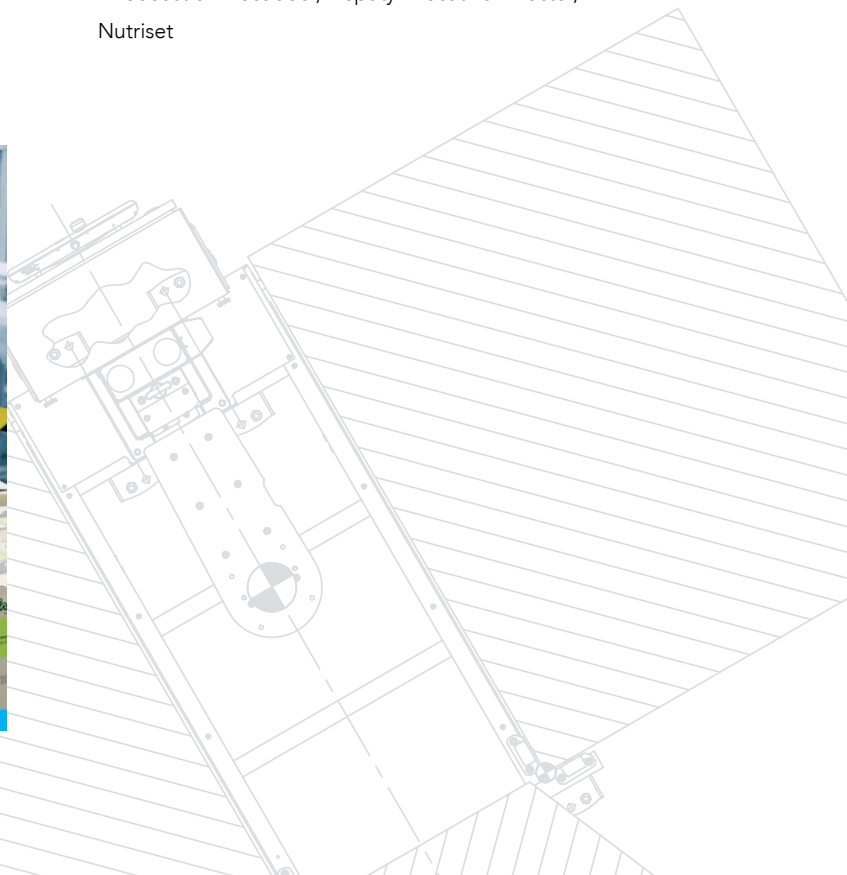
Sébastien Decubber
Deputy Executive Director,
Nutriset



Sylvain Clause
EIA Coordinator,
Nutriset

“We needed to automate the palletizing operation because, carried out manually, the task was tedious, repetitive and not very rewarding for the operators, and without any added value for the company.”

— Sébastien Decubber, Deputy Executive Director,
Nutriset



400

cartons
packed daily

Nutriset's post-Covid manual palletizing presented several challenges.

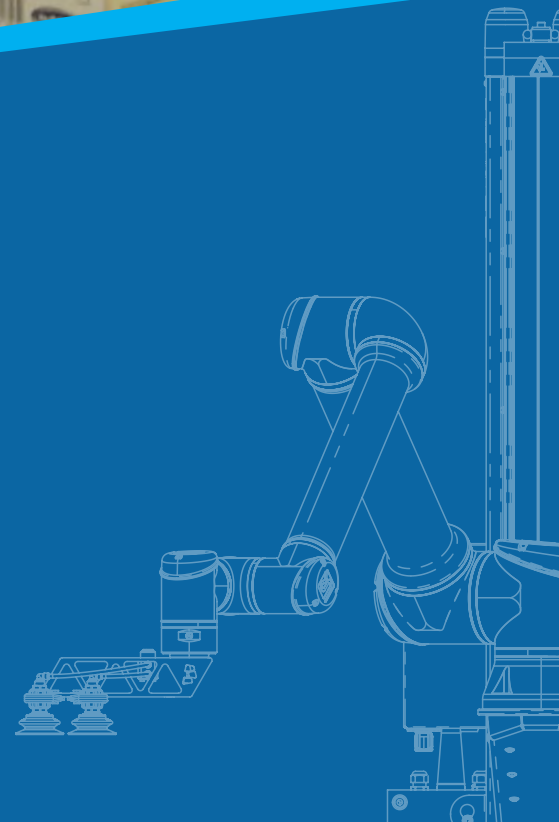
Every day, employees had to handle almost **400 cartons, each weighing up to 15 kg, and stack them on pallets up to 2.20 meters high.** These repetitive tasks of lifting, bending and stacking cartons not only caused fatigue, but also posed **significant risks of musculoskeletal disorders (MSDs).**

In addition, Nutriset operated in a confined production area with low ceilings, which further complicated the manual palletizing process. The company **needed an automated solution capable of efficiently handling heavy cartons,** while guaranteeing operator safety and integrating seamlessly with the existing installation.



2.20

Meter high pallets





PALLETIZING SOLUTION

THE SOLUTION

To overcome these challenges, Nutriset implemented **Robotiq's PE20 palletizing solution with the UR20 cobot**.

This collaborative solution enabled Nutriset to automate the palletizing process without the need for safety cages, maintaining a **100% collaborative environment**. The UR20 cobot efficiently handled Nutriset's large cartons while optimizing space in the company's restricted production area.

The solution was installed quickly with minimal disruption to production, and Nutriset's operators were able to **adapt easily to the new system**, thanks to its user-friendly interface and simple training process.

6 MONTHS

estimated payback period





IMPROVEMENTS AND BENEFITS

The benefits of automation have been considerable for Nutriset.

The introduction of the palletizing cobot has **significantly reduced the occurrence of musculoskeletal disorders**, improving the overall health of employees and reducing physical strain.

Productivity increased as the automation solution **minimized downtime and improved operational flexibility**, enabling Nutriset to respond more effectively to the demands of its production line.

In addition, the rapid integration of the solution resulted in **an estimated payback period of just six months**. Employees reacted positively, noting the reduced workload and ease of use of the cobot system.

“We had a two-day production stop while we installed the robot and made the first pallets. So it’s extremely simple, extremely facilitated by the fact that it arrives turnkey.”

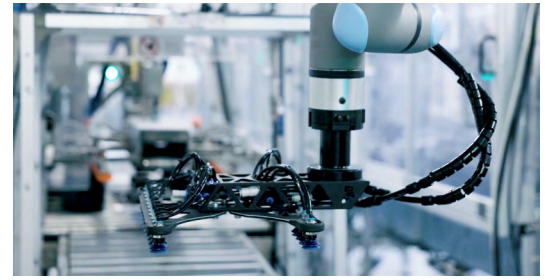
— Sylvain Clause, EIA Coordinator, Nutriset

TRANSFORMATION AND SUCCESS

The **fruitful collaboration between Nutriset and Robotiq** was instrumental in achieving these improvements.

Robotiq's expertise in palletizing solutions enabled Nutriset to seamlessly integrate the UR20 cobot into its production line, **overcoming the specific challenges posed by heavy, oversized cartons and confined space.**

This partnership has not only improved Nutriset's operational efficiency, but also ensured the **well-being of its employees, by reducing the physical constraints** associated with palletizing tasks and enabling the company to focus more on innovation and quality production.



Unlock greater potential with Robotiq Palletizing Solution and find out how it can transform your business operations.

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