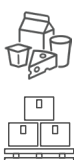




REVOLUTIONIZING DAIRY OPERATIONS ORNUA'S COLLABORATIVE PALLETIZING SOLUTION



Industry
FOOD & BEVERAGE



Solution
PALLETIZING



Location
IRELAND



Units
1



Company Size
3000



Key Results
**0 WORK ACCIDENTS
AFTER AUTOMATION**

INTRODUCING ORNUA

Ornua, a world leader in the **dairy industry**, is known for its high-quality Irish dairy products, including a wide range of cheeses and butter. As a large cooperative, it is constantly seeking innovation to **improve the efficiency and safety of its operations**.

Faced with **labor shortages and increasing demand**, Ornua turned to automation to meet its challenges. Ornua worked with Robotiq and RARUK Automation to implement an automated palletizing solution, focusing on **improving workplace safety, increasing productivity and streamlining palletizing processes** for a diverse range of products.



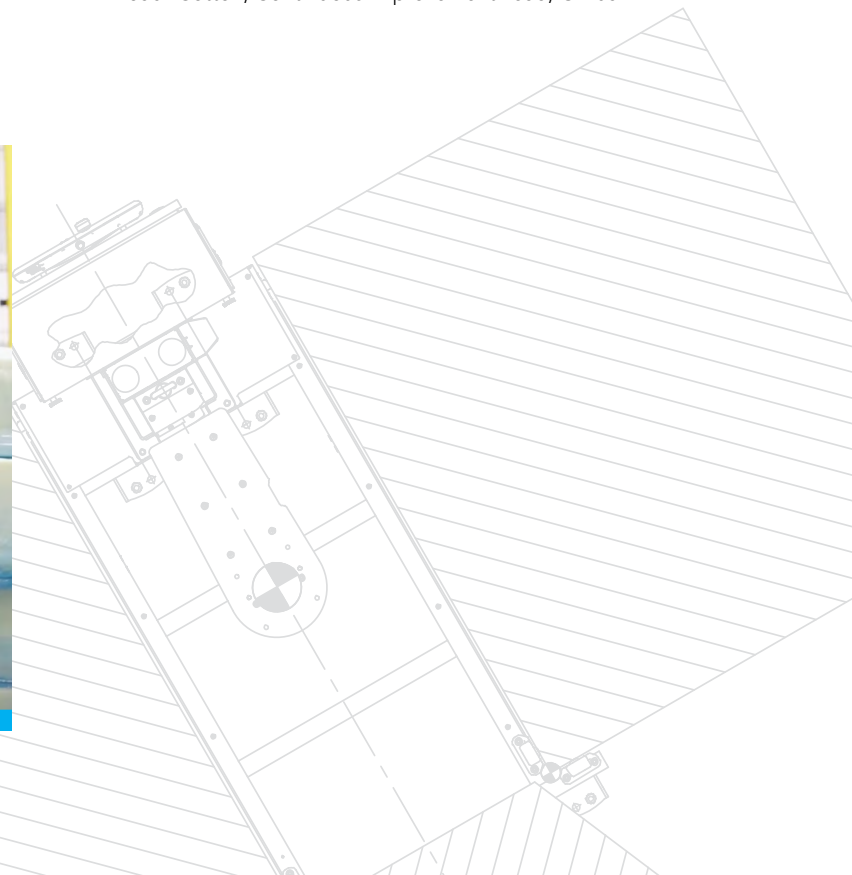
Jack Cotton
Continuous Improvement Lead,
Ornua



Étienne Samson
Robotics Applications Director,
Robotiq

“ We looked at palletizing as the first area to explore automation due to the number of human resources needed. If we can automate that task, then those resources can be used elsewhere. ”

— Jack Cotton, Continuous Improvement Lead, Ornua



10 KG

**blocks of cheese
handled daily**

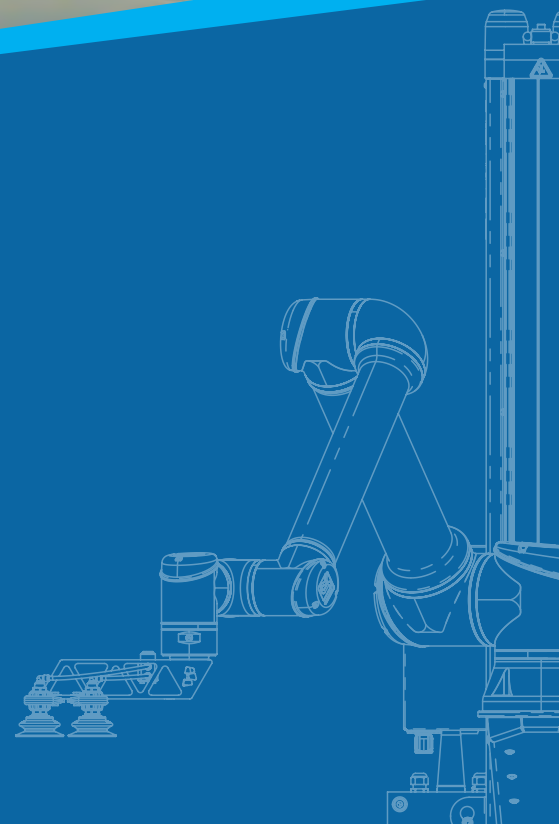
Ornua faced significant challenges in its end-of-line palletizing operations. Handling a wide range of products, from packs of dairy products **weighing between 6 and 12 kg** to large blocks of cheese **weighing 10 kg**, was physically demanding for workers.

The manual palletizing process involved repetitive tasks such as bending, stretching and lifting, which not only fatigued workers but also **increased the risk of repetitive strain injuries**. In addition, with labor shortages affecting worker availability, and a product range requiring flexibility, Ornua needed a solution that would not only **alleviate physical strain**, but also **maintain flexibility and consistency of operations**.



12 KG

Weight of each box of dairy products





PALLETIZING SOLUTION

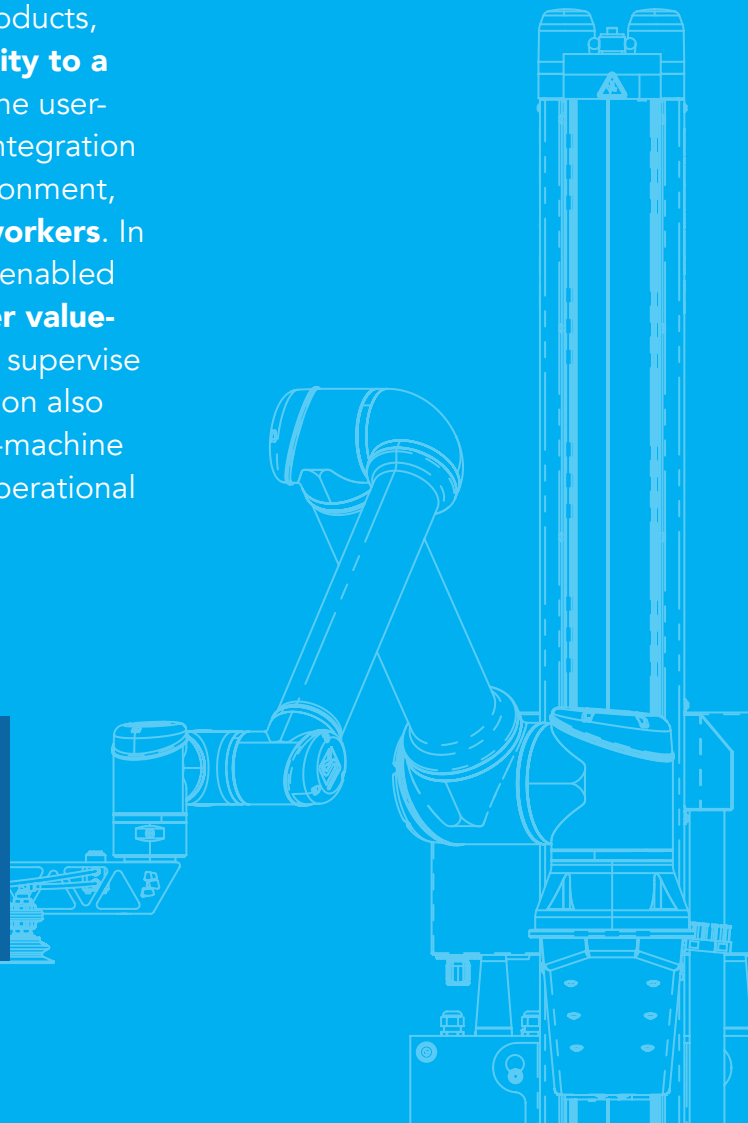
THE SOLUTION

To address these challenges, Ornuu chose **Robotiq's Palletizing Solution with the UR20 collaborative robot**. This innovative cobot was specifically chosen for its ability to **handle the weight** of dairy products, up to 12 kg, and for its **adaptability to a wide range of product types**. The user-friendly interface enabled rapid integration into the existing production environment, **requiring minimal training for workers**. In addition, this automation system enabled workers to **concentrate on higher value-added tasks**, while continuing to supervise the palletizing process. The solution also maintained the necessary human-machine interaction essential to Ornuu's operational workflow.

Since automation

0

reported work-related accidents





IMPROVEMENTS AND BENEFITS

The implementation of Robotiq's Palletizing System has brought substantial benefits to Ornu.

One of the most significant improvements has been the **reduction in repetitive strain injuries**, with no work-related accidents reported after automation.

The system also improved productivity by streamlining palletizing operations, resulting in **faster, more efficient product handling**. Employees, who were previously responsible for manual palletizing, expressed their satisfaction

with the automation, citing ease of use and **reduced physical strain**.

Automation has enabled Ornu to maintain high productivity even in the face of labor shortages, and has offered the **flexibility to handle different types of product** with ease.

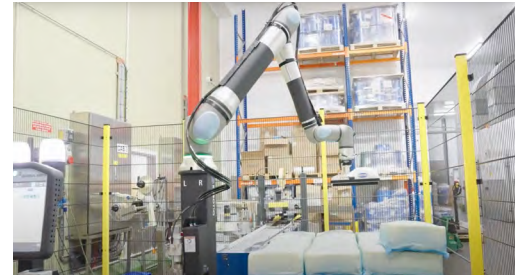
“The need for automation in industry is clear, and it’s only going to grow. The future of automation is bright.”

— Étienne Samson, Robotics Applications Director at Robotiq

TRANSFORMATION AND SUCCESS

The collaboration between Ornuu and Robotiq was decisive in achieving the desired results. Robotiq provided a solution that **integrated seamlessly with Ornuu's operations**, addressing specific challenges related to **safety, productivity and flexibility**.

The close partnership ensured that the automation system was tailored to Ornuu's unique needs, enabling both human supervision and efficient machine operation. This collaboration not only **improved day-to-day operations**, but also positioned Ornuu as a forward-looking company, ready to embrace automation for long-term operational success.



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

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