

BLENDING FAMILY TRADITION WITH INNOVATION RAUMLAND GMBH'S AUTOMATED SOLUTION FOR PALLETIZING WINE CARTONS



Industry
FOOD & BEVERAGE



Solution
PALLETIZING



Location
GERMANY



Units
1



Company Size
10-25



Key Results
**BOOSTED EFFICIENCY &
CLEARED BACKLOG**

INTRODUCING RAUMLAND GMBH

Raumland GmbH is a family-owned company that excels in bottling and packaging solutions for the **wine industry**. Known for its meticulous attention to quality, Raumland GmbH processes over **five million bottles a year** and around **2,500 different wines**, offering extensive services including wine analysis, filtering, labeling and distribution.

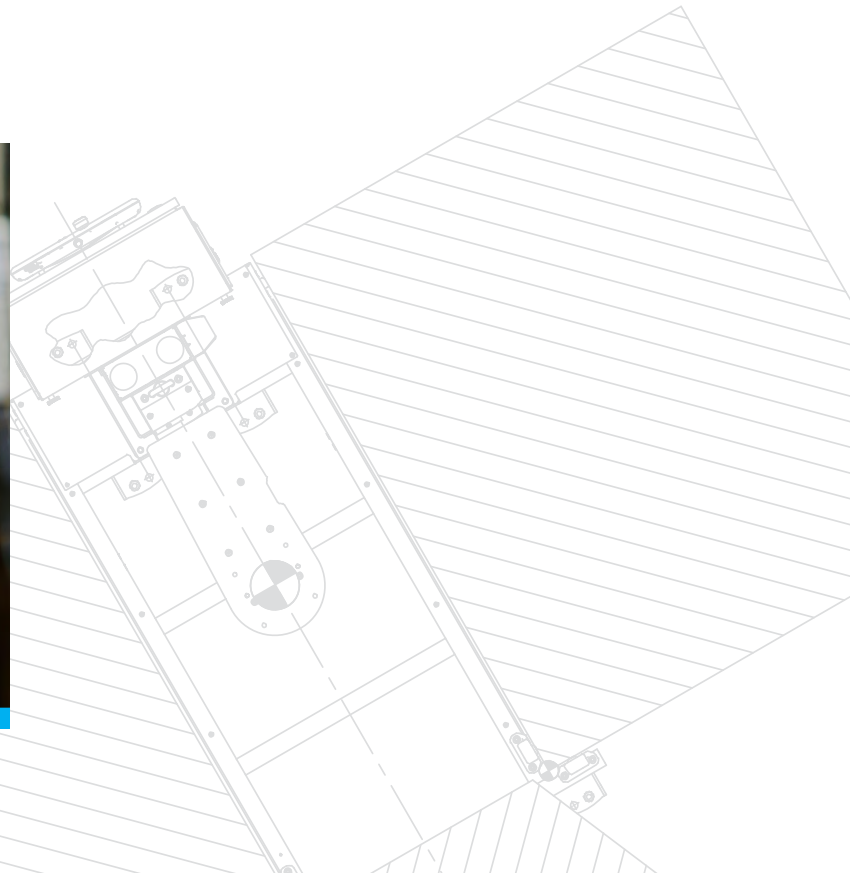
Faced with inefficiency and employee fatigue when **manually handling large volumes** of packaging materials, Raumland GmbH sought to improve its **operational efficiency through automation**, with the aim of meeting these specific challenges while maintaining its high standards.



Sebastian Raumland
Managing Director, Raumland GmbH

“The cobot perfectly reflects what we need. It is a flexible machine, compact, quick to set up, and, ultimately, affordable.”

— Sebastian Raumland, Managing Director, Raumland GmbH



5 MILLION

bottles handled
each year

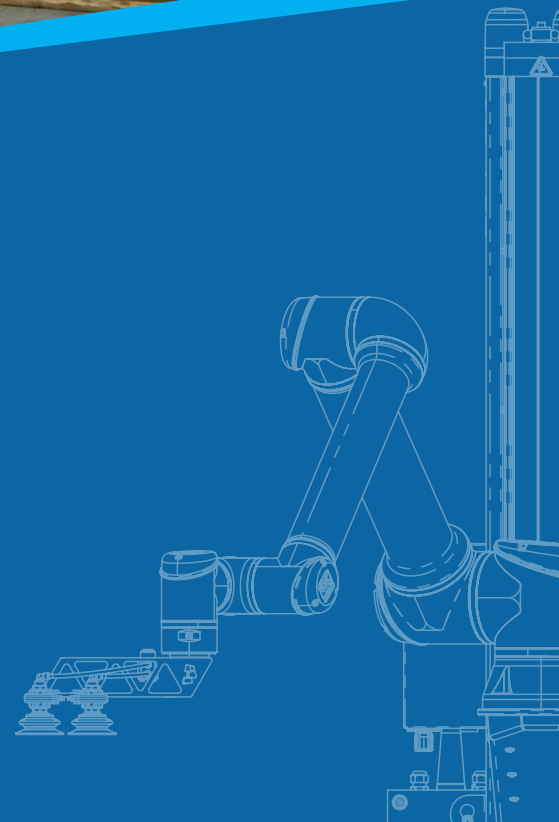
Raumland GmbH's main challenges stemmed from the **scale and diversity of its operations**, which involved processing over five million bottles a year and more than 2,500 different wines from a variety of producers.

Manually handling **40 tons of packaging materials a day**, in intensive **8-hour shifts**, was a major strain on employees, leading to **inefficiencies and physical issues**. In addition, existing automated systems were either too rigid or too costly, and did not meet the dynamic needs of Raumland GmbH's operations.



2500

Various wines processed annually





PALLETIZING SOLUTION

THE SOLUTION

To solve these problems, Raumland GmbH adopted the **Robotiq PE20 Palletizing Solution** with the Universal Robots UR20 cobot equipped with a vacuum gripper.

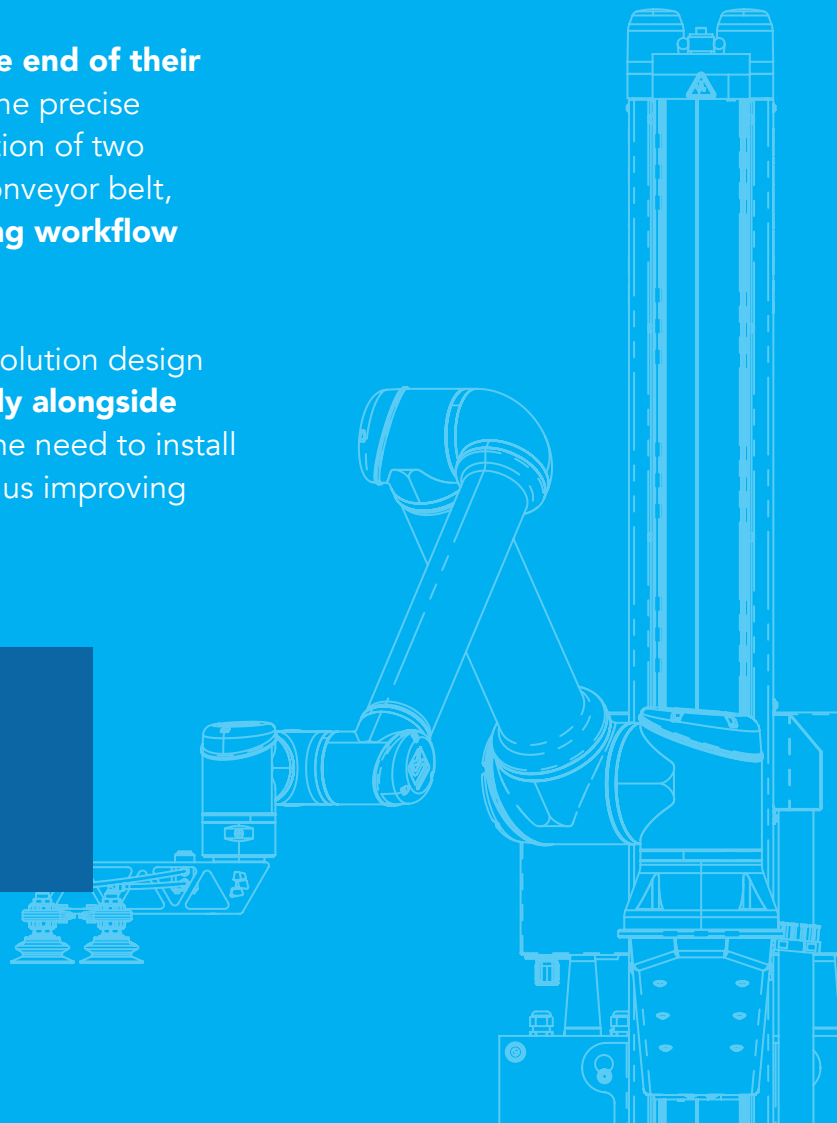
This solution **optimized the end of their bottling line** by enabling the precise and simultaneous palletization of two cartons of wine from the conveyor belt, thus considerably **improving workflow efficiency**.

The cobot's flexibility and solution design enabled it to **operate safely alongside human workers**, without the need to install extensive safety barriers, thus improving workflow integration.

Total packaging weight

40

tonnes





IMPROVEMENTS AND BENEFITS

The implementation of Robotiq's Palletizing Solution has **revolutionized Raumland GmbH's operational efficiency**.

This collaborative solution has considerably **lightened the physical load on employees** by automating the laborious process of handling and stacking wine cartons.

As a result, the system enables a continuous, uninterrupted workflow, **eliminating bottlenecks** at the palletizing stage.

In addition, the solution's flexibility in managing different carton sizes and stacking configurations enables Raumland GmbH to **adapt quickly to changes** in production demands, maintaining seamless operations throughout the process.

“We were able to automate a task that was extremely tedious. No one complains about back pain anymore. At least not from palletizing.”

— Sebastian Raumland, Managing Director, Raumland GmbH

TRANSFORMATION AND SUCCESS

The partnership between Raumland GmbH and Robotiq has **transformed traditional bottling and packaging processes**, setting new industry standards for the automation of wine production.

Not only has this collaboration **improved operational efficiency**, it has also confirmed Raumland GmbH's commitment to quality and employee well-being. This automation project demonstrates the **successful integration of advanced robotics into traditional industries**, highlighting the potential of automation to enhance know-how and effectively manage complexity.



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

CONNECT WITH AN EXPERT



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