



# BAKERY MANUFACTURER PANOVO AUTOMATES PALLETIZING TO IMPROVE EFFICIENCY AND OPERATOR WELL-BEING WITH 5 ROBOTIQ SOLUTIONS



Industry  
**BAKERY**



Solution  
**PALLETIZING**



Location  
**MEXICO**



Units  
**5**



Company Size  
**1000**



Key Result  
**2.5 M (98 IN) HIGH  
PALLET'S AUTOMATED**

## INTRODUCING GRUPO PROAN

Panovo Alimentaria, part of Grupo Proan is a **leading bakery manufacturer** specializing in snack cakes and frozen bakery goods, operating around-the-clock in Mexico. With over 1,000 employees and multiple production lines, **Panovo relied heavily on manual labor for palletizing**, requiring operators to manually stack pallets up to 2.5 meters high in physically demanding conditions.

The company faced the following issues:

**Ergonomic Risks:** Operators manually stacking boxes high overhead faced increased risk of injury and physical strain.

**High Turnover:** Repetitive, physically demanding tasks contributed to low employee retention, especially during night shifts.

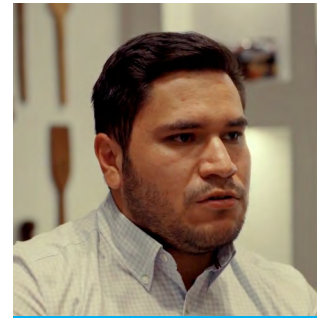
**Inconsistent Pallet Quality:** Manual errors led to inconsistent pallet stacking, negatively affecting logistics efficiency.

**Limited Space:** Existing facilities required compact, space-efficient solutions rather than large, disruptive machinery.

Panovo recognized **Robotiq's Palletizing Solutions as an ideal approach to efficiently address these challenges**, laying the groundwork for significant improvements in both **employee well-being and operational performance**.



**Juan Barba**  
Project Engineer,  
Panovo Alimentaria



**Víctor Antimo**  
Operations Manager,  
Planta Vualá

*“ We had a big need to reduce operator fatigue in the packaging area, especially for palletizing. We required a low-cost, small-footprint solution because our space is limited and retrofitting big machines is difficult. ”*

— Juan Barba, Project Engineer, Panovo Alimentaria



**Vualá®**







## PALLETIZING SOLUTION

### THE SOLUTION

Partnering with Robotiq and HTL, Panovo implemented **five collaborative robotic palletizing cells** across multiple production lines.

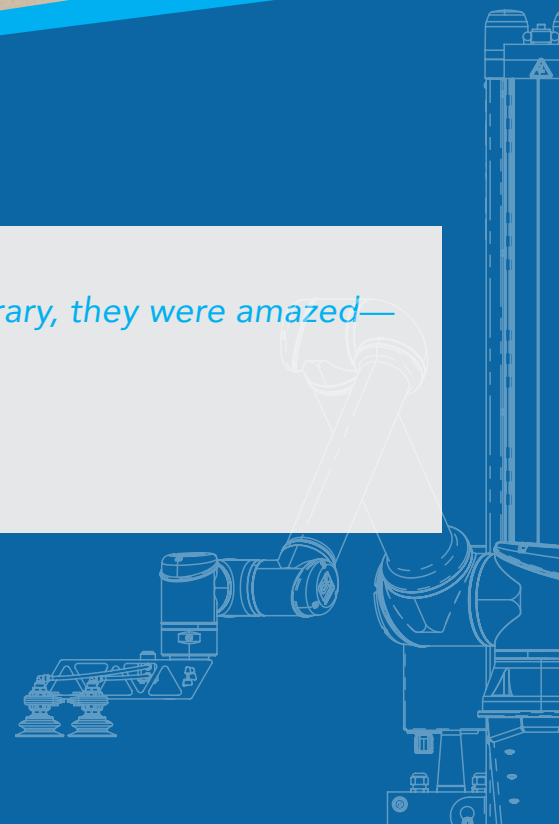
Robotiq's AX10 Palletizing Solution, **capable of handling pallets up to 2,750 mm (108 in) high**, was introduced into low-temperature environments without complication. **The user-friendly interface eased the transition for operators**, who were able to adapt quickly to the new technology, thanks to rapid and effective training provided by Robotiq and HTL teams.

Robotiq's Palletizing Solutions were specially designed to meet the company's unique challenges, such as **handling different product formats and optimizing limited space**.



*“The robots didn’t threaten our workers. On the contrary, they were amazed—and eager to learn.”*

— Víctor Antimo, Operations Manager, Planta Vualá



## TRANSFORMATION AND SUCCESS

The integration of Robotiq's collaborative palletizing solutions produced impressive results. Operators **no longer have to endure the physical exertion** associated with manually stacking boxes to high pallet heights, **significantly reducing the risk of injury**. This change not only improved workplace safety, but also fostered **a more comfortable and engaging environment for workers**.

As a result, **operator retention improved and job satisfaction reached new heights** as employees embraced automation technology. From an operational point of view, robotic systems enabled **reliable and consistent palletizing, improving logistical efficiency and minimizing palletizing errors**. The flexibility to handle a variety of product types has enabled Panovo to adapt smoothly to future production needs.

With plans to expand its automated palletizing cells, Panovo is well on the way to achieving **a solid return on investment, having set clear targets for a payback within 3 years**.



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

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