

Self-Driving AGV Machine Optimizes Cream Cheese Transport

In 2017, a large dairy company implemented Global AGV's first-generation driverless forklift, the Linde L14 electric pallet stacker with navigation and safety equipment, to transport delicate loads of cream cheese from point A to B. The AGV machine has operated seamlessly for over 27,000 hours, with minimal downtime for planned maintenance and parts replacement. This implementation of Global AGV technology has significantly optimized internal transport processes, enabling the company to allocate resources for quality assurance, monitoring, and development work.

Challenge

- Repetitive and monotonous manual transportation of cream cheese between a conveyor belt and a buffer area.
- Need for resource reallocation to focus on quality assurance, monitoring, and development tasks.
- Regular stackers experiencing high wear and tear in the busy packing center.

Solution

- Implementation of the Global AGV solution.
- Operation of the AGV machine on a fixed route, covering a few meters between the conveyor belt and the buffer area

Impact

- Efficient and precise transportation of cream cheese, resulting in the AGV machine operating for over 27,000 hours.
- Handling hundreds of cream cheese varieties, totaling around 60,000 tonnes annually.
- Maintenance-free operation with minimal technical breakdowns, requiring only battery replacements.
- Extended lifespan of the AGV machine compared to regular stackers, which typically wear down after 2–3 years of continuous use.
- Resource reallocation, allowing personnel to focus on quality assurance, monitoring, and development work.



27,000 hours
of continuous operations



60,000 tonnes
of cream cheese handled
annually



Improved
productivity and efficiency

