



Advanced packaging technology

Speed and consistency for dairy packaging

Sterilgarda | Castiglione delle Stiviere | Italy

Sterilgarda's transformation through advanced packaging technology with adhesive dispensing solution from Nordson

Sterilgarda, a prominent dairy product manufacturer based in Castiglione delle Stiviere, Italy, employs 500 people and generates a turnover of €350 million. The company operates 50 packaging lines equipped each with Nordson systems, producing trays and wrap-around trays in different sizes for a wide range of dairy products. In collaboration with well-known OEMs like Mariani Srl, the leader in innovative solutions for secondary end-of-line packaging automation, Sterilgarda embarks on a significant transformation to modernize its packaging processes.

The Challenge

Sterilgarda faces growing challenges in packaging its products, necessitating a major overhaul of its packaging lines. The existing systems, plagued by reliability issues, frequent nozzle clogging, and constant need for module and solenoid replacements, fail to meet the company's growing demands. These inefficiencies lead to increased operating costs and frequent downtime, affecting Sterilgarda's competitiveness in the market.

The old systems struggle to keep pace with the production volumes required to satisfy market demand. With packaging capabilities ranging from 10 to 150 packages per minute, depending on the application, the existing technology fails to deliver the speed and consistency needed for efficient operations. Consequently, the packaging quality often falls short of the high standards expected by Sterilgarda's customers.

Recognizing these critical shortcomings, Sterilgarda understands that to maintain its market position and continue its growth trajectory, it needs to invest in new technology. The goal is to enhance reliability, improve efficiency, and reduce operational costs while meeting stringent quality requirements.

The Nordson Solution

To address these challenges, Sterilgarda undertakes a strategic initiative to modernize its packaging lines. Over 2-3 years, the company invests significantly in updating its packaging lines, installing more than 15 Nordson adhesive dispensing systems across its 50 packaging lines. The Nordson ProBlue® Flex melters, known for their reliability and efficiency, become the cornerstone of this transformation.



The new systems minimize downtime by reducing nozzle clogging and the frequency of part replacements, leading to lower maintenance costs and higher overall efficiency.

Sterilgarda's strategic collaboration with OEM Mariani Srl plays a crucial role in this process. This partnership ensures the seamless integration of the new packaging systems into Sterilgarda's existing infrastructure. The result is a significant enhancement in the company's packaging capabilities, enabling it to handle a wide range of packaging applications, from sealing trays to wrap-around trays.

"The new packaging systems with ProBlue Flex melters and SolidBlue® applicators have brought significant improvements," says Mr. Giampaolo Rossi, the Plant Manager at Sterilgarda. "They minimize downtime by reducing nozzle clogging and the frequency of part replacements, leading to lower maintenance costs and higher overall efficiency. Additionally, these systems are user-friendly, allowing our operators to manage them with ease, which streamlines the production process."

Sterilgarda relies on its own extensive experience and expertise to prepare the specifications and oversee the implementation of the new systems. This self-reliant approach ensures that the specific needs of their operations are met, resulting in a tailored solution that addresses the unique challenges faced by the company.

Voice of Customer

Mr. Giampaolo Rossi reflects on the impact of this updated packaging lines: "The transition to the new Nordson systems has been transformative for Sterilgarda. We faced significant challenges with our old systems, from frequent breakdowns to high maintenance costs. The new Nordson ProBlue Flex melters and systems have drastically improved our reliability and efficiency. Not only have we reduced our operational costs, but we've also been able to increase our productivity to meet market demands. Our collaboration with our OEMs was crucial in this upgrade, ensuring a smooth transition and optimized integration. The new systems are user-friendly, high-quality, and have positioned us well ahead of our competition. This investment has truly paid off, and we are now better equipped to deliver high-quality dairy products to our customers."



Sterilgarda's strategic partnership with OEM Mariani Srl ensures seamless integration of new packaging systems, significantly enhancing their packaging capabilities for a wide range of applications.

Through strategic investment in advanced Nordson packaging systems and leveraging their own expertise, Sterilgarda successfully overcomes the challenges posed by outdated technology. The new systems not only meet but exceed the operational demands, positioning Sterilgarda as a leader in the competitive dairy market. The transformation enables the company to maintain its market position, reduce costs, and enhance productivity, ensuring the continued delivery of high-quality dairy products to its customers.



Nordson application and verification technology helps efficiently apply adhesives to meet both form and function for a wide variety of packaging applications: sealing, attachment, confectionary and small pack, tray making, palletizing, siftproof/tamper evident/braille applications and labeling.

Packaging applications are often judged equally by how they look and how well they perform, so application systems must apply the right amount of adhesive to be structurally sound and without messy stringing, tailing or squeeze out. Whether using hot melt or cold adhesives, Nordson is a world leader in packaging and converting application technology.



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Why Nordson



Global

Supporting and collaborating with customers worldwide.



Business Scale

Extensive capabilities to deliver on customer promises.



Value Innovation


Consistently creating customer value with innovative technology



Direct

Direct offices in over 30 countries with local application experts nearby to help.

 [/company/nordson-adhesive](https://www.linkedin.com/company/nordson-adhesive)

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