



GALDI FILLING SOLUTIONS FOR LIQUID EGG: ADVANCED PERFORMANCE AND MAXIMUM SAFETY

Galdi Inc. Booth#[B22009](#)

*CUTTING-EDGE TECHNOLOGIES TO ENSURE HYGIENE,
EFFICIENCY, AND EXTENDED SHELF LIFE*

Across the global **liquid egg market**, demand for **gable-top packaging** continues to rise, together with expectations for **product safety, stability, and microbiological reliability**. Products requiring extended shelf life call for **next-generation filling systems** capable of delivering superior hygienic conditions and highly repeatable operations. Today, these standards are no longer an advantage, but a strategic necessity.

In this scenario, Galdi's latest filling solutions stand out as a global benchmark. The **RG280** and **RG480** are engineered to minimize contamination risks, preserve the microbiological integrity of liquid egg, and ensure extended shelf life even in the most sensitive applications.

The **RG280**, in particular, raises industry standards through fully automated washing and sterilization routines that drastically reduce operator intervention, thereby lowering the risk of recontamination from microorganisms such as *Staphylococcus aureus*, often associated with manual handling. The machine also features an enhanced carton-sealing process with tighter acceptance criteria to ensure optimal sealing, even for products with long shelf-life requirements.

Complementing these capabilities is a highly flexible **form & seal system** that operates with all types of board, including those used for specialized products such as sugared yolk: an immediate advantage managed directly through the machine's control panel.

The RG280 delivers consistent, repeatable hygienic performance across all steps: from packaging disinfection, effective against *Bacillus spp.* spores, to its hygienic chamber with controlled airflow and self-adaptive management. Every element is designed to minimize recontamination risks and safeguard the final product's shelf life.

In an industry where microbiological stability is essential, Galdi's solutions support liquid egg producers in achieving high performance and compliance while enhancing every stage of production — from ergonomics to digital intelligence.

Ergonomics and ease of use: designed around the operator

Operator-centric design has long been a distinguishing feature at Galdi. Developed with direct feedback from operators and maintenance teams, the filling machines offer wide inspection windows, easy access to mechanical areas, simplified component disassembly, and automated routine operations.

With the RG280 and RG480, this approach reaches a new level: **intuitive HMIs** equipped with wizard modes, guided procedures, real-time production visualization, and operational flexibility suited to high-turnover environments. Even non-specialized operators can manage the equipment quickly and safely—an immediate and tangible competitive advantage.

MaSH and digitalization: intelligence at the heart of production

As Galdi moves toward fully "digital-native" equipment, advanced monitoring and data-management tools have been introduced. **MaSH (Machine System Health)** provides daily operational reports, efficiency analysis (MME), maintenance forecasting, and preventive alerts.

Enhancing this digital framework, Galdi's upcoming **AI Agent** will integrate predictive analytics and artificial intelligence to suggest operational adjustments, highlight potential anomalies, and support fast, informed decision-making—improving continuity and overall efficiency.

For liquid egg producers, these tools enable more accurate production planning, reduced downtime, optimized maintenance, and seamless integration with broader factory systems often required by large co-packers and industrial processors.

Hygiene and food safety: raising the bar with RG280

In liquid egg applications, hygiene is not optional, it's an absolute requirement. Galdi's solutions strengthen these standards by combining reliability with innovation.

The **RG280**, developed as a next-generation solution for ESL and delicate products, incorporates hygienic technologies that position it among the most advanced systems for microbiological control in gable-top filling.

Since liquid egg **cannot be processed through aseptic pasteurization without altering its organoleptic properties**, the filling phase becomes crucial. Although not aseptic, Galdi's technology ensures a level of sanitization that creates optimal conditions during filling, contributing to a stable and safe shelf life while preserving the product's sensory qualities.

Output and flexibility: RG480 for high capacity, RG280 for maximum hygiene

For high-capacity operations, the **RG480** offers one of the most performant and reliable automatic filling solutions available. This dual independent-line machine reaches up to **14,000 cartons/hour**, featuring advanced HMIs, simplified maintenance, modular design, and impressive flexibility for multi-product or multi-format production.

On the other hand, the **RG280**, with an output of up to **7,000 cartons/hour**, is the ideal choice for producers prioritizing top-level hygiene, stability, and repeatability. In environments with demanding standards and strict certifications, the RG280 can provide a distinctive and strategic advantage.

Galdi services: global support, remote assistance, and continuous operations

A fundamental part of Galdi's offering is its comprehensive service ecosystem, designed to ensure operational continuity, rapid intervention, and highly qualified technical support. Spare parts availability, expert field engineers, and a structured after-sales organization provide consistent assistance throughout the entire lifecycle of the machine.

This is complemented by digital services such as **Galdi RemoteCare**, a remote-monitoring platform enabling diagnostics, parameter optimization, rapid troubleshooting, and proactive maintenance without on-site intervention. The combination of digital control, continuous supervision, and predictive maintenance reduces downtime, improves efficiency, and enhances planning accuracy.

With advanced technologies, high automation, and dedicated support services, Galdi stands as a reliable partner for producers aiming for safer, more efficient, and more sustainable operations in line with global market expectations.

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