



Robotic milk powder handling: efficient, flexible and reliable scoop inserting.

JORGENSEN: Fully automated packaging lines for infant formulas

Quality Foods for Precious Babies!

Around the world, researchers and dairies constantly develop enhanced infant formulas with improved nutritional profile, so the products are as close to breast milk as possible. - This means that we too constantly improve all features and facilities on our packaging handling lines to match the high quality products designed for the global market, emphasizes Jesper Johansen, Marketing Manager at Jorgensen Engineering.

By Anna Marie Thøgersen, Editor

Safety and high quality

In co-operation with major infant formula players, Jorgensen has constructed several innovative packaging systems to optimize safety and hygiene in a very brand-conscious market, as high product quality is the most important issue facing dairies producing infant formulas. - Thus, our customers are looking for engineering houses, which are innovative in projecting and building machines. In addition, we must be - and are at the forefront within features for monitoring production data by means of optimized control on the packaging lines, explains Per Vedel Rasmussen, Sales Manager at Jorgensen. He adds: - As a leader within packaging handling, Jorgensen matches the strict requirements with appropriate machinery, monitoring and detective features

guaranteeing safe and traceable quality products.

Dynamic Line Control

All Jorgensen-lines feature specific customized solutions. However, a complete packaging handling system for infant formulas in general comprises: Automatic de-palletizing, jet air cleaning and feeding of empty cans, scoop inserting, filling, check weighing, clinching, end-handling, air evacuation and gas flushing, seaming, labeling, plastic lid over-capping, code reading, wrap-around case packaging, case coding, palletizing and line control with SCADA .

- During recent years, we have maximized the utilization of the line capacity. So tells Technical Sales Manager Henrik Storm Leth: - When projecting a new packaging line, we focus on Dy-

amic Line Control providing a far better performance. We design the packaging handling line the intelligent way with a dynamic flow to increase the overall efficiency. Our dynamic line control system monitors the units and automatically adjusts the line speed for smooth operation and maximum line performance.

One solution fits all

The global infant formula producers also demand more flexibility on the very same packaging line. These demands could be filling/packing and handling different milk powder products with e.g. differently shaped and colored scoops in different kinds of cans or cartons. On Jorgensen's flexible packaging lines, picture-monitors support each changeover, so the operator knows

exactly, which new product is next on line. Changeovers require from zero to an absolute minimum of time switching from one to another type of product, packaging, and/or volume. These multi-purpose packaging lines are controlled by a SCADA system, which communicates with the customer's management control system.

Walk the talk - international accreditations

Infant formula is an extremely sensitive consumer product demanding not only high manufacturing standards but also corporate social responsibility focus. In this context, Jorgensen is accredited in accordance to several guidelines, defined by international organisations as e.g. SEDEX (Supplier Ethical Data Exchange). Further, Jorgensen is audited according to the SMETA guidelines (Sedex Members Ethical Trade Audit) and recently obtained SHE accreditation (Safety - Health - Environment).



Inside the Jorgensen Engineering state-of-the-art 7,800-m2, domicile in Odense, Denmark. From left to right: Technical Sales Manager Henrik Storm Leth, Sales Manager Per Vedel Rasmussen, and Marketing Manager Jesper Johansen. Jorgensen Engineering develops and produces packaging handling systems for the food, pet food, health care/pharmaceutical and - not least the milk powder industries.

These accreditations point out that Jorgensen Engineering operates extremely seriously and holds high ethical behavior in the global supply chain. ■



Scan for a video of Jorgensen milk powder handling (jorgensen.dk/pwdr).



**With a little help...
...from Jorgensen**

Together with the market leaders in the food industry we continuously optimize and develop **packaging handling systems** for infant formula, baby food and milk powder. Our strengths are: **engineering, innovation and know-how.** And to keep promises.

We care for your brand!

Jorgensen Engineering a/s
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