

DIENST

CASE STUDY

01

For consumers, it is no longer just the quality or price of a product that counts.

Sustainability has also established itself as an important factor in the non-food sector.

The battery manufacturer VARTA has recognized the priority - DIENST Verpackungstechnik provided the solution.





„I have been working in the field for 20 years and the machines from DIENST are clearly among the top 10! The handling also went perfectly, on time despite the Corona pandemic.“

Project Manager, VARTA

Customer

The VARTA brand is known in the B2C sector in particular for its batteries. The long-established German group has its headquarters in Ellwangen, Baden-Württemberg. The client, VARTA Consumer Batteries GmbH & Co. KGaA, is part of the listed VARTA AG.



Sustainability for battery-packaging

DIENST supplies highly flexible packaging machine, enabling battery manufacturer VARTA to switch to pure carton packaging.

SITUATION

Until now, consumers have known VARTA batteries in plastic blister packaging: a plastic foil molding attached to a printed cardboard backing. A more sustainable, fully recyclable cardboard packaging is now set to replace this. The boxes feature a convenient resealable push-on closure that simplifies the removal of individual batteries. The additional glue tab guarantees a tamper-evident seal.

SOLUTION

To meet VARTA's requirements, DIENST introduced a horizontal cartoner. The system automates the entire process, from erecting and filling to closing the packaging. One **challenge** in particular was the large number of carton variants: Both AA and AAA batteries are packaged in 4, 6, 8, 10 or 12-count formations. In the smallest format, 12 small AAA batteries have to be inserted into the carton box.

The machine must be flexible for the resulting ten different variants. The highest output is up to 213 folding cartons per minute. With four lines per format, the DIENST horizontal cartoner can therefore produce **850 products per minute**. A remarkable productivity.

DESIGNED FOR RECYCLING

Already during the development, the recyclability of the packaging was in the foreground. Instead of a plastic window, a recess in the front of the carton simply acts as a viewing window. With the DIENST horizontal cartoner, the batteries are reliably packed in a stable and secure manner even in the pure cardboard packaging.



CUSTOMER BENEFITS

increased productivity
+ 15 % performance

Plastic savings:
20 million packages per year without blisters

What can we do for you?
Make an appointment with our experts
Tel.: +49 (0)6192 204-0



DIENST – Specialist for individual solutions

manufacture of packaging machines for global manufacturers of food and non-food items for over 30 years.

The company has been part of the POLAR Group in Hofheim am Taunus for over 10 years. Based at the Hofheim plant since 2020, the company designs, develops and implements efficient, high-quality and individual packaging solutions for manufacturers from various consumer sectors. In addition to horizontal cartoning machines, the product portfolio includes machines from the Top Load and End of Line sectors. Through customized solutions, also for entire packaging lines, DIENST is a recognized integration partner of internationally leading producers and major corporations.

DIENST

