

BEST PRACTICE

VARTA relies on sustainable machine technology from KOCH Pac-Systeme



Johannes Heselschwerdt, Project Manager at KOCH, Christoph Absalon (Global Account Manager at KOCH) and Stefan Schmid (Project Manager VARTA, from left to right) present the new childproof and sustainable battery packaging.

 **VARTA** is a German manufacturer specialized in the research, development, production, and marketing of batteries. VARTA has a comprehensive product portfolio ranging from micro batteries, household batteries, energy storage systems to customized battery solutions.



Our goal was the new development of a childproof packaging with a special focus on environmental friendliness. Due to the good cooperation on numerous projects and KOCH's experience with our products, we decided to go with KOCH again. The company presented a convincing overall concept at a good price-performance ratio, covering the most uniform packaging possible while at the same time offering a high product variety.

Stefan Schmid, Project Manager, VARTA



BEST PRACTICE

TASKS

- Development of a **sustainable packaging with low film waste** for button cells
- A packaging solution that **optimally meets the requirements for child safety**
- The new machine should provide **more power than the previous machine**

SOLUTIONS

- **Combination** of the Blister Machines **KBS-KF** and a **KBS-PL**
- Development of a **complete solution of packaging design and packaging technology** for the optimal utilization of the machine format
- **Each button cell is placed in an individual blister and sealed that the battery is completely closed.** The individual blisters can only be opened with scissors and are therefore **childproof**
- The packaging is made of **80 % recycled PET** and **90 % recycled cardboard**

RESULTS

- There is a possibility **to package also different types of batteries**
- **Up to five button cells** fit on a lid card
- With five button cells on the lid card, the machine is able to package **up to 750 button cells per minute**

More about sustainable machine technology from KOCH 

More about the Blister Machines KBS-KF and KBS-PL 

Video examples of the application of VARTA 



Top: Transition from the Blister Machine KBS-PL to the Blister Machine KBS-KF



Right: Newly developed, childproof and sustainable battery packaging

SUSTAINABLE



by using **80 % recycled PET** and a lid card made of **90 % recycled cardboard**

SAFETY



through specially designed packaging that ensures **child safety**

INCREASE



in capacity through a newly developed packaging machine that is more efficient than its predecessor

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