

# Childproof and senior-friendly: a wallet for very special requirements

---

**Packing tablets with different dosages in three blister sizes – and doing so in such a way that the packaging is both childproof and suitable for senior citizens. A case for high-quality wallets complementing the tried-and-tested pharmaceutical packaging solution consisting of blisters and folding boxes – and a task befitting the successful duo of KOCH and Uhlmann!**

---

**In different distribution channels, there are often different requirements for the packaging of pharmaceutical. In hospitals, folding boxes are usually sufficient as secondary packaging for solid products. In other cases, pharmaceutical packaging needs to be both childproof and senior-friendly. This might involve, for example, wallet packaging.**

In one of the most extensive joint projects to date between Uhlmann Pac-Systeme and KOCH Pac-Systeme, this was exactly the case. The customer, an US pharmaceutical manufacturer, offers medications in twelve blister formats and three blister sizes containing tablets with different dosages. The particular challenge was that two of the three

blister sizes had to be delivered in folding boxes to hospitals, with the third size going in wallets and folding boxes to pharmacies.

The packaging is designed in such a way that the tablets can only be pressed out of the blister once the wallet has been broken open in a specific position and a

perforated tab has been removed. The action is senior-friendly, but difficult for children to carry out.

For an integrated line to be developed, two subsidiaries of the Uhlmann Group pooled their competencies and implemented a line consisting of a blister and wallet machine alongside a cartoner.

**Uhlmann**  
UHLMANN GROUP

**Blister Machine B 200 ...**

... the basis for the economical packaging of small batches

**KOCH**  
UHLMANN GROUP

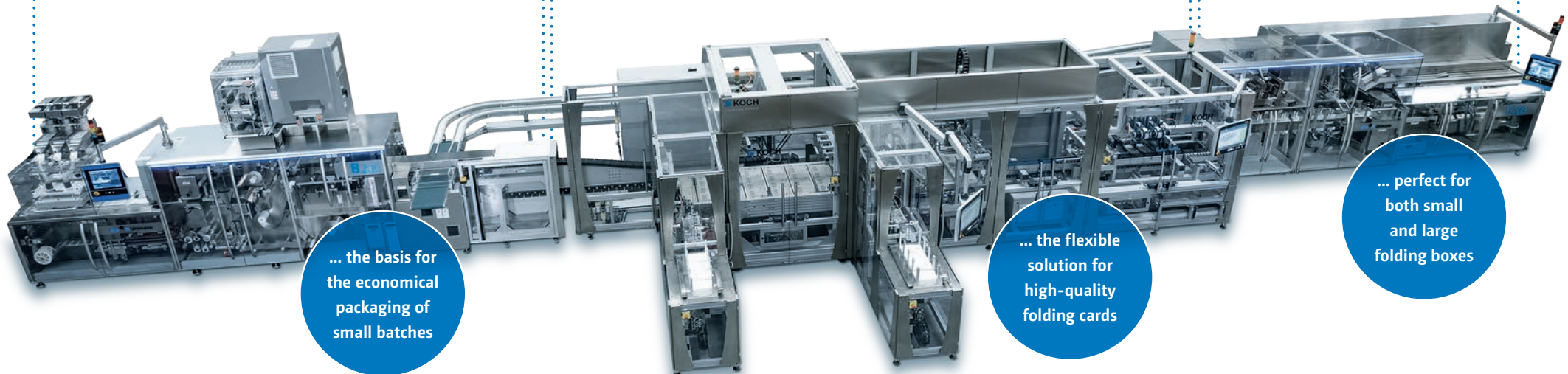
**Wallet Machine KS-PL ...**

... the flexible solution for high-quality folding cards

**Uhlmann**  
UHLMANN GROUP

**Cartoner C 200 ...**

... perfect for both small and large folding boxes







“ The close collaboration between KOCH and Uhlmann under the joint umbrella of the Uhlmann Group ensures not only perfectly-matched facility components and processes, but also highly-efficient project work.

Cristian Reiter, CTO & Managing Director at Uhlmann

“ Wallet projects always have a very individual character, with the requirements differing from project to project. In the case of this order, the planning was particularly demanding due to the customer’s many different wallet variants.

Karl Kappler, CTO & Managing Director at KOCH



“Wallet projects always have a very individual character, with the requirements differing from project to project. In the case of this order, the planning was particularly demanding due to the customer’s many different wallet variants. This required a full-service provider with extensive competencies,” explains Karl Kappler, CTO & Managing Director at KOCH.

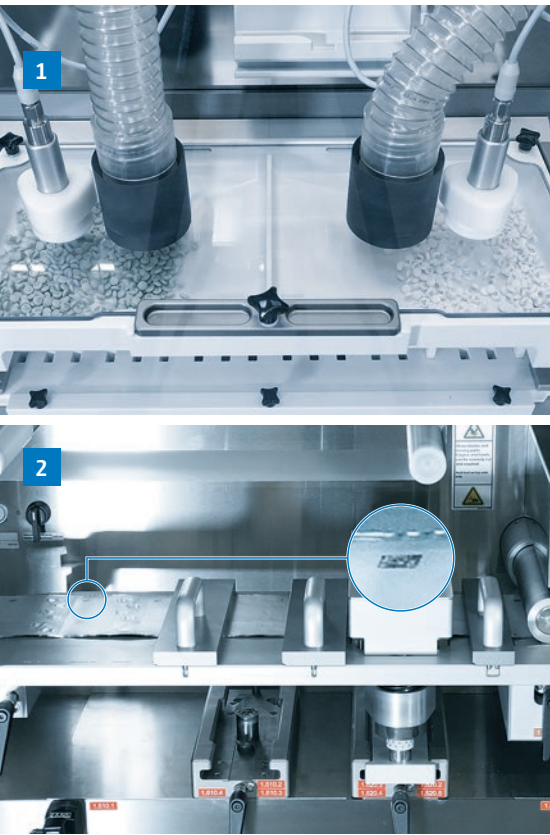
---

**Innovative solution  
for maximum  
plant flexibility**

---

In complex projects such as this, the Uhlmann Group has a decisive advantage in that experienced experts from the various subsidiaries specialising in packaging





solutions can be brought together into one team. When designing the blister wallet line, Uhlmann and KOCH worked hand-in-hand. With Uhlmann's decades of pharmaceutical expertise and KOCH's skills in the field of special mechanical engineering, the two companies complemented each other perfectly.

The result shows what is possible when two specialists combine their strengths: a blister wallet line that perfectly combines the blister machine B 200 from Uhlmann, the wallet machine KS-PL from KOCH and the cartoner C 200 from Uhlmann. The project team implemented a solution that is far more than the sum of its parts:

1. The basis for this is the blister machine B 200 from Uhlmann, which produces

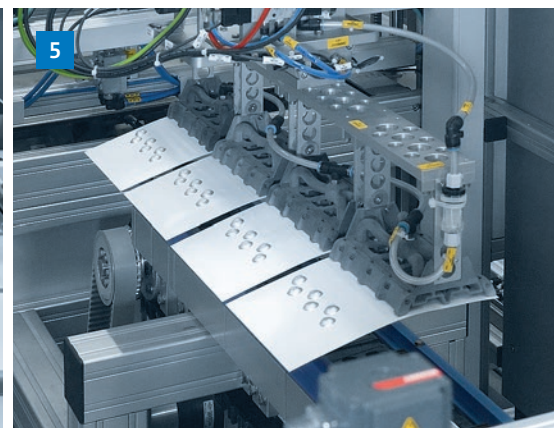
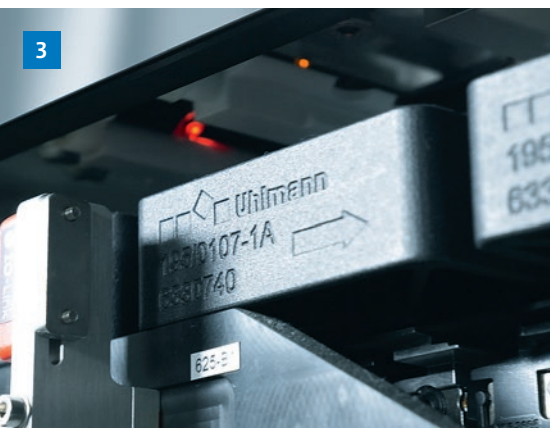
up to 200 blisters in three sizes with several different blister formats. All of them differ in terms of the number and positioning of the aluminum pockets per blister. The SimTap feeder reliably places tablets in up to three different dosages per blister in the correct aluminum pockets.

2. Since the tablets in the aluminum blister are no longer recognizable following the sealing process, a digital printing system marks the cover foil of the blister with a 2D code.
3. Blisters for pharmacy distribution go directly to the KS-PL wallet machine from KOCH. A scanner checks each individual 2D code. This ensures that only correctly filled blisters are packed into wallets. The blisters intended for hospitals are sent via

a bypass directly to the Uhlmann cartoner C 200.

4. The KS-PL wallet machine from KOCH seals the blisters with front and cover cards to create childproof, yet senior-friendly wallets.
5. A completely newly developed folding system allows many axis movements and can handle the enormous variety of blister formats.
6. The wallets are transferred in stacks of seven to the Uhlmann C 200 cartoner, which processes up to 200 blisters in folding boxes or 13 folding boxes with seven wallets each per minute, depending on the format.

The advantages for the customer are clear. Despite the enormous variety, all product variants can be packaged on one line and



the process can be controlled via an unified, consistent operating system. This greatly reduces complexity for the operating personnel. If required, blister packaging, wallet machine, and cartoning can be operated independently of each other – for maximum plant flexibility.

The intensive collaboration within the Uhlmann Group contributed significantly to the success of the project and this is a fact of which Cristian Reiter, CTO & Managing Director at Uhlmann, is very certain, “with

## Bundled packaging expertise in the Uhlmann Group

such complex assignments, it is not just the know-how of those involved that counts, but also the communication and a common

understanding of project work. Here, too, Uhlmann and KOCH are a perfect match.”

The companies in the Uhlmann Group offer a wide range of high-tech packaging machines, services and digital solutions for the pharmaceutical, healthcare, consumer goods, food and agricultural markets. In addition to Uhlmann Pac-Systeme and KOCH Pac-Systeme, Cremer Specialmachines, Wonder Packing Machinery and Axito also belong to the group of companies.

### close-up online

#### Publisher

Uhlmann Pac-Systeme GmbH & Co. KG

#### Editor:

Marion Neubrand  
Phone: +49 7392 702-8648  
neubrand.m@uhlmann.de

#### Concept and realization:

Volker Laucher Grafik Design,  
Stuttgart, Germany

#### Text:

Change Your Mind  
Kommunikationsagentur, Biberach, Germany

#### Translation:

Cengolio Translations, Berlin, Germany

#### Photos:

dreiM, Munderkingen, Germany (S. 1, 2, 4)  
KD BUSCH, Fellbach, Germany (S. 3, 5)

Copyright © 2022

Uhlmann Pac-Systeme GmbH & Co. KG,  
all rights reserved

The special machine engineering company KOCH Pac-Systeme GmbH has been part of the Uhlmann family of companies since 2006. Founded in 1969, today more than 450 employees in Pfalzgrafenweiler and eight subsidiaries worldwide develop and manufacture customized packaging solutions and services for medical products, contact lenses and consumer goods. Thanks to their modular design, the blister and packaging machines and lines enable sustainable automation solutions tailored to customer requirements.

[www.koch-pac-systeme.com](http://www.koch-pac-systeme.com)

**KOCH**  
UHLMANN GROUP



BLISTER WALLET LINE  
Experience the innovative solution on YouTube >>

CLOSE BY THROUGHOUT THE WORLD  
Your contact person around the globe >>