

OUTER PACKAGING USING FLAT BLANKS

Box Erecting Systems, Wrap-around Packers,
Wallet Machines, Closing Systems, Lid Systems



KOCH FLAT BLANK OUTER PACKAGING

Outer packaging /secondary packaging from a flat blank.

With this machine program the most varied types and forms of packaging can be produced from corrugated cardboard or solid fiber board.



Advantages of this machine technology

- Convenience through optimal accessibility
- Reproducible format change within the shortest period of time without tools
- High flexibility thanks to a combination of single functional units
- Latest PC technology with operator convenient control via 15" touch screen
- Remote diagnostics via internet or modem

For additional information please check
our homepage www.koch-pac-systeme.com

Reference products:

Electrical components, batteries, screws
and wall plugs, synthetic cable channels,
shaft sealing rings, books, gummi bear
bags, contact lenses, mobile telephones,
air fresheners, Drawn Rectangular Tins,
toothbrushes, pharmaceutical products,
office furniture, candy bars, sticky pads

COMPLEX DEMANDS – INDIVIDUAL SOLUTIONS

Outer packaging machines. For the tasks of tomorrow.

No, we can't see into the future. But we know that our customers require high standards of their machines – today and tomorrow. With know-how, a passion for the business and innovation, we have developed a trend-setting assortment of possibilities for customer requirements with our packaging machines:



Whether they are in the food and consumer goods, pharmaceuticals, chemical, industrial or communications technology and electronics industries. Our customers are diverse, unique, individual and expect specific solutions. When giving advice from development all the way to machine production, we always sit down with our customers to get the optimal packaging results. In the end, the machine is perfectly packaged into an operator convenient and high-quality design, making it clear from the outside what goes into it.



Decide yourself for the packaging technology of the future.

■ KKA

KOCH Box Erecting Systems (series 1080, 1280, 1580)

- **Feeding** – Flat blanks can be delivered through two different magazines, one sloping and one horizontal. The sloping magazine with a capacity of approx. 550 mm uses gravity to transport the blanks into the box erecting system. The horizontal magazine, on the other hand, has a capacity of up to 2500 mm depending on requirements and transports the blanks via a toothed belt.
- **Forming** – Using vacuum suckers the blanks are loosely laid out and transported by the feeder to the forming station – the pasting of the glue flaps is also performed depending on the configuration. The blanks are then pressed into the forming station using molding tools. The flaps are stuck on or carded by the tool and laid out depending on the configuration, either spindle-adjustable or as a fixed format.
- **Package exit** – Finally the finished boxes leave the box erecting system via a conveyor belt.

Depending on performance requirements, KOCH Box Erecting Systems are available as one- to four-digit machines.

■ KWP

KOCH Wrap-around Packers

- **Feeding** – Here too the flat blanks can be fed in via two different magazines, sloping or horizontal. The sloping magazine has a capacity of approx. 550 mm and uses gravity to transport the blanks into the Wrap-around Packer. The horizontal magazines, on the other hand, have a capacity of up to 2500 mm depending on requirements and transports the blanks via a toothed belt.
- **Forming and filling** – Using vacuum suckers the blanks are extracted from the magazine and laid out in a U-shaped in a synchronized chain. Depending on the configuration of the machine, the products are then loaded from the left or right side of the U-shaped blank and then sealed on all sides using hot glue.
- **Package exit** – Finally the finished package leaves the Wrap-around Packer via a conveyor belt.

KOCH Wrap-around Packers are equipped with different drive solutions depending on performance requirements.

■ KWM

KOCH Wallet Machines

- **Feeding** – The flat blanks are transported via a flat transition belt to the friction feeder and from there into the continuous or synchronized running machine.
- **Forming and filling** – During the process the blanks are pre-folded and subsequently fitted to the respective product.
- **Package exit** – After the wallets are completely sealed by further downstream stations, they leave the machine via a conveyor belt.

KOCH Wallet Machines are equipped with different product feeds depending on customer requirements.

KKS

KOCH Box Sealers (Two Seal-Technologies)

- **Glued seals** – Between one to three sides are closed off by hot glued seals.
- **Tuck-in flap sealing** – As a rule with a tuck-in flap, either the top or front flaps are tucked in.

Depending on requirements, KOCH Box Sealers can run in an indexing or in a continuous operation.

KKD

KOCH Carton Lid Systems (Three Lid-Technologies)

- **Inserted** – An inserted lid is a flat blank with two to four tuck flaps. These are put into the tray with an insertion tool from above and held to the flaps by its own momentum.
- **Sealed** – A glued lid is a flat blank with two to four glue flaps. These are put into the tray from above and fixed by sticking points on the sides with a folding tool.
- **Wrap-around** – The wrap-around lid consists of a flat blank with four sticking latches or a pre-glued lid, e.g. the lid of a shoebox. These simply are put on the tray from above by a folding or touchdown tool and are therefore not necessarily connected to it.

Depending on requirements, KOCH Carton Lids can run in an indexing or in a continuous operation.

■ Packaging Competence and Automation

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