



Variocart and Variocol

Professionals in carton processing



Origami for the advanced



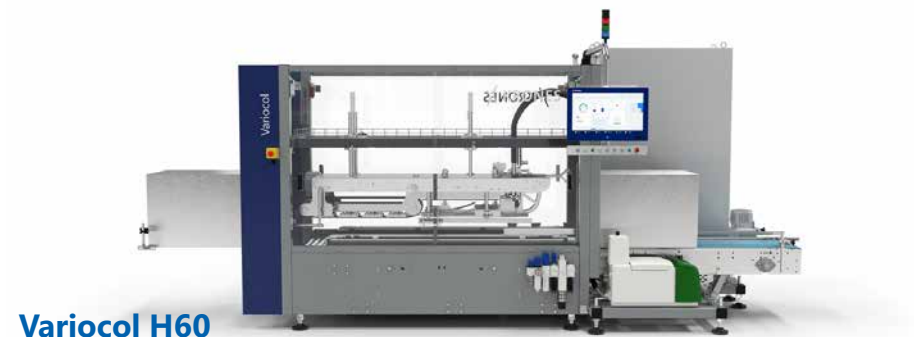
With the Variocart and Variocol machine series we provide you with reliable specialists for folding and sealing cartons: The former uses pre-glued blanks to "build" functional packaging with an attractive shape; the latter seals the cartons' top flap so that nothing can happen to the products inside. The result: precisely folded and stable cartons will always emerge at the end.

At a glance

- **Variocart C40:**
Erects a wide range of pre-glued carton blanks
- **Variocol H60 and Variocol H120:**
Closes carton lids and glues the lid flaps



Variocart C40



Variocol H60

C: Carton erector | H: Hot melt

Variocol and Variocart

New features since 2021



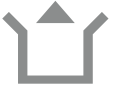
- Simplified machine operation with a 21 inch Connected HMI touch-screen
- Improved accessibility through the positioning of the control cabinet next to the machine
- More streamlined machine design and avoidance of projecting edges through the positioning of the gluing unit at the front end
- Even more reliable operation through safety-related pneumatic components with performance level D for Variocart C40



Machine operation with Connected HMI

Variocart C40

The variable carton erector

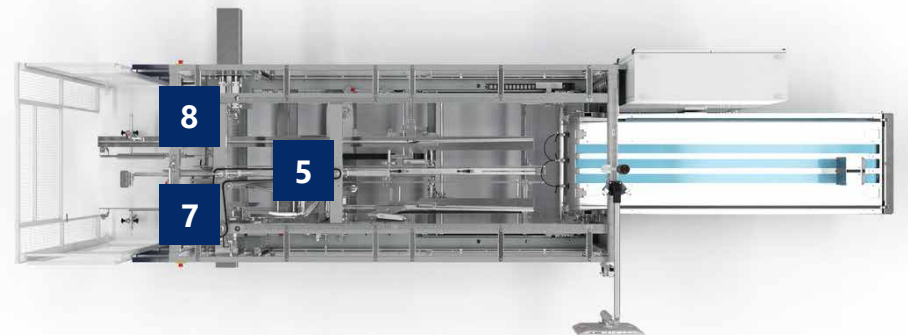
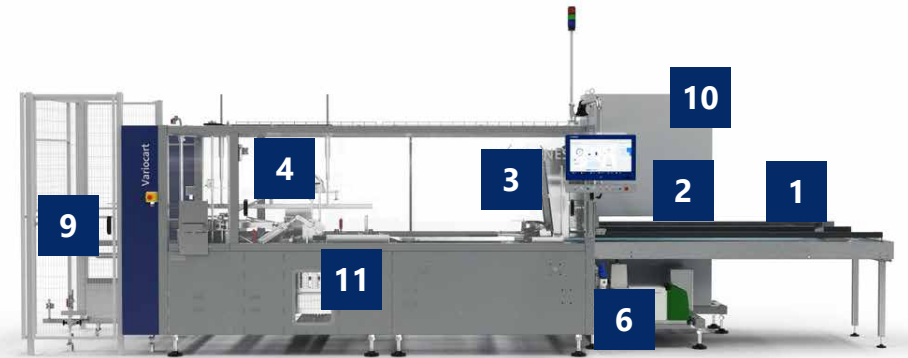


The pre-glued blanks are inserted vertically into the magazine. A vacuum gripper cylinder removes the first blank and transfers it to the pusher bar, which brings the blank to the folding station. There, suction cups erect the carton and fold in the base flaps. For an optimum result, the cups tightly hold the underside of the blank during folding. The cartons are then conveyed to the sealing station, during which time hotmelt is applied. In the sealing station, the base is glued and the finished carton is then pushed out of the machine.

Output

Up to 2,400 cartons per hour (depending on the blank size and quality)

- | | | | |
|----------|------------------------|-----------|---------------------------------|
| 1 | Blank feed unit | 7 | Sealing station for base gluing |
| 2 | Blank magazine | 8 | Retainer |
| 3 | Linear separating unit | 9 | Finished carton |
| 4 | Folding unit: | 10 | Control cabinet |
| 5 | Base flap folder | 11 | Main drive |
| 6 | Hotmelt gluing unit | | |



Variocart C40

Facts and figures



Processing program

- Pre-glued carton blanks for different variants:
 - Pre-glued carton with glued-in dividers
 - Cartons with extra long transverse lids
 - Half cartons
 - Display cartons
- Quality:
 - B flute (preferred)
 - C flute
 - E flute
 - Solid board (possible)

Dimensions of pre-glued blanks (American Box)

- Minimum: 200 x 120 x 180 mm
- Maximum: 525 x 400 x 550 mm



Variocart C40

Benefits to you



Broad processing spectrum

The Variocart C40 can process the widest range of carton qualities and is also suitable for carton blanks with glued dividers, for cartons with oversized cross lids, or half cartons and display cartons.

Easy change-over

With its clamping levers and crank adjustment system, the erector can be adjusted to suit other blank sizes in just a few minutes. All of the settings are 100% reproducible for maximum repetition accuracy.

Ergonomic magazine

Thanks to its ergonomic height and large storage capacity, the blanks magazine can be refilled simply and comfortably.

High functional reliability

Well designed machine elements, such as a coated conveyor chain, back-up pressure monitoring system and controlled feed, all ensure that the blanks are processed smoothly.

Good accessibility

Large-surface sliding doors provide easy access to the Variocart C40. The open design of the entire machine also makes all operations and maintenance work easier to perform.

Minimised maintenance effort

The use of toothed belts and lifetime-lubricated bearings provides a considerable reduction in the maintenance work to be performed.

Easy integration in packing lines

The carton erector can be easily integrated in existing lines.

Requesting a new machine

You can easily send a request for a non-binding quotation in our Krones.shop.



Variocol H60 (single-lane) and Variocol H120 (double-lane)

The sealing system for carton lids



The cartons which are open at the top are accumulated in front of the machine infeed by a conveyor belt. Then, they pass through the machine on a roller conveyor. They are moved by lateral belts which are, in turn, driven by frequency-controlled drives. A fixed bracket folds the front flap and a pneumatic device folds the rear flap. Both flaps are then sprayed with glue and glued down with the side flaps. At the pressing-on area, a conveyor belt presses against the carton from above, thus ensuring reliable sealing.

Output

- **Variocol H60:** Up to 3,600 cartons per hour (single-lane)
- **Variocol H120:** Up to 7,200 cartons per hour (two-lane)



Variocol

Facts and figures



Processing program

- Continuously operating machine for sealing cartons that are open at the top
- Quality:
 - B flute (preferred)
 - C flute
 - E flute
 - Solid board
- Free passage of plastic crates and trays

Dimensions

- Minimum: 200 x 120 x 100 mm
- Maximum: 500 x 400 x 380 mm (single and double-lane)
- Flap lengths: 40 to 200 mm



Variocol

Benefits to you



Good accessibility

The clearly arranged machine is easily accessible from all sides through sliding doors.

Gentle carton handling

The combination of roller conveyor and lateral belt guidance provides a particularly gentle carton conveyance.

Compensation of height tolerances

The spring-mounted suspension for the pressing-on belt ensures that all cartons, even those with different heights, are reliably sealed.

Short change-over times

The machine can be changed over to another carton type with mechanical cranks. When doing so, the counter guarantees a 100% repetition accuracy.



Requesting a new machine

You can easily send a request for a non-binding quotation in our Krones.shop.



Everything from a single source



Training sessions at the Krones Academy – trained personnel for an increased efficiency of your line

The multifaceted offer by the Krones Academy ranges from operation, servicing and maintenance courses through to management training. We will gladly also create your individual training programme.

Krones Lifecycle Service – Partner for Performance

It goes without saying that also after the purchase of new machines, Krones takes care of your lines: The Krones LCS experts are always there to help you reaching your goals and turn your wishes into optimal LCS solutions.



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TOMORROW**

