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 C 40: unfolds pre-glued carton blanks of different variants on
- Variocol H 60 and Variocol H 120: seals carton lids and glues cover flaps
Variocart C 40
The carton erector for the medium output range

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 bottom 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)
Variocart C 40
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 C 40
Benefits to you

Broad processing spectrum
The Variocart C 40 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 C 40. 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.
Variocol H 60 (single-lane) and Variocol H 120 (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 holder folds the front and a pneumatic system folds the rear stop-end 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 H 60: up to 3,600 cartons per hour (single-lane)
- Variocol H 120: up to 7,200 cartons per hour (double-lane)
Variocart and Variocol

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-lane)
  - 500 x 300 x 380 mm (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.
Everything from a single source

Training sessions at the KRONES Academy – trained personnel increases your line efficiency
The versatile training offer ranges from operation, servicing and maintenance to management training. We will gladly also establish your individual training programme.

KRONES Lifecycle Service – partner for performance
Also after having purchased a new machine, KRONES will take care of your line; the LCS experts are always ready to consult you and translate your goals and wishes into optimal LCS solutions.
We do more.

Digitalisation

Process technology

Bottling and packaging equipment

Intralogistics

Lifecycle Service