



Autocol

For processing self-adhesive reel-fed labels



 **KRONES**

High flexibility with self-adhesive labelling



When it comes to decorating containers with self-adhesive reel-fed labels, the Autocol has been setting the benchmark for many years now. The machine has been designed as rotary machine and is equipped with a precisely operating label applicator. With regard to efficiency, accuracy and speed, the Autocol absolutely takes a leading position.

At a glance

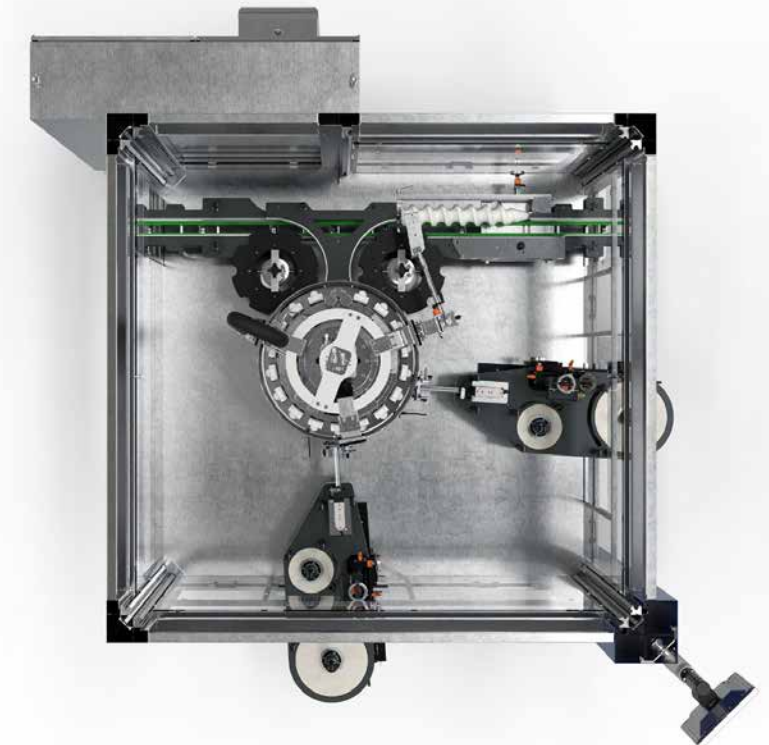
- For processing self-adhesive reel-fed labels
- Decoration of cylindrical or specially shaped containers
- Precise container positioning using centring bells and container plates
- Operation by means of individual transponders for quick access to the user interface
- Remote maintenance is available as an option



Method of operation



- 1** An infeed worm spaces the incoming containers to the correct machine pitch.
- 2** The infeed starwheel transfers the containers to the rotating container table. Here they are firmly held and centred between the container plates and the centring bells.
- 3** In the label applicator, the labels are unwound from the reel and conveyed by a servo motor to the application wedge.
- 4** The label is detached from the label carrier film at the application wedge and precisely transferred to the container.
- 5** Brushes or sponge rollers hold the labels on the container and smooth them down.
- 6** The labelled containers are collected by the discharge starwheel and transferred to the conveyor.



Two variants for self-adhesive labelling

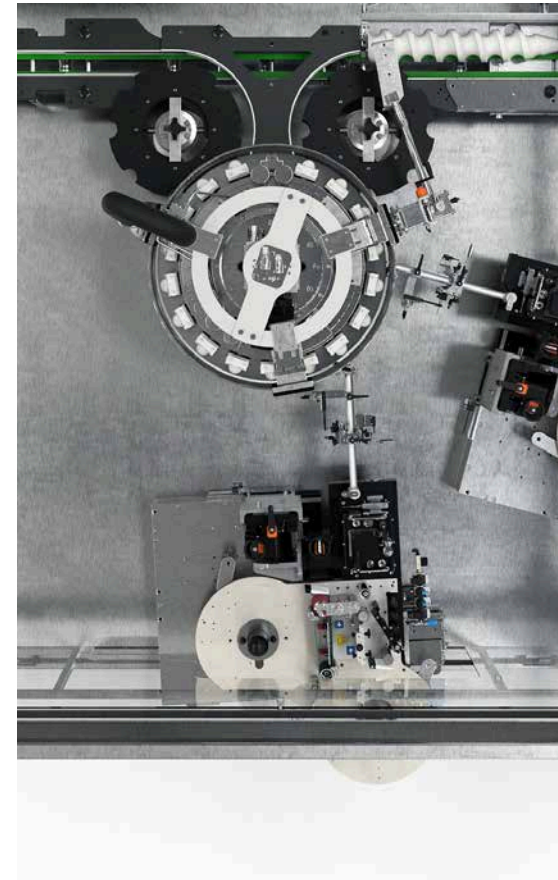


Autocol with TS label applicator

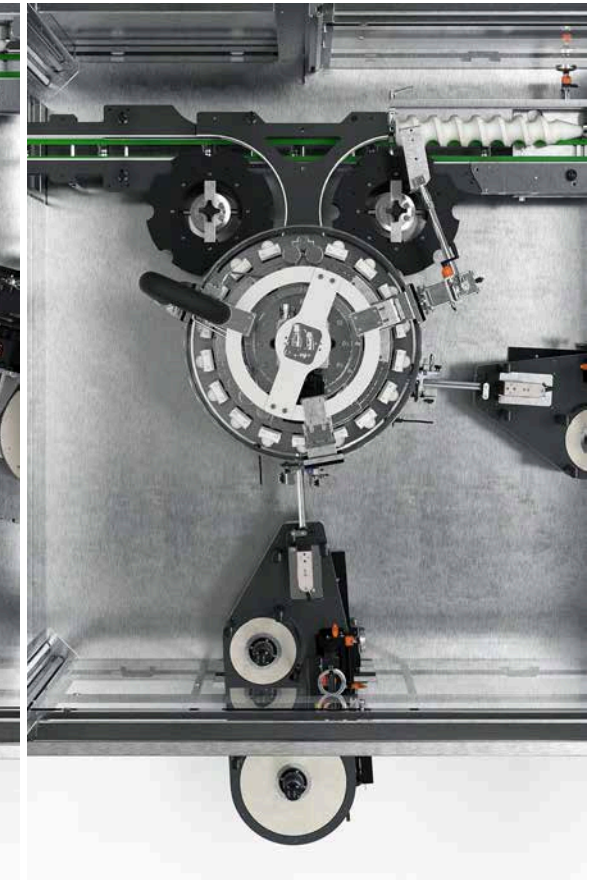
- Output range of 3,000 to 66,000 containers per hour, with only one label applicator, depending on the label width
- Feed and tension roller technology with contact-free label buffer system
- Maximum labelling precision possible for the thinnest of films

Autocol with CL label applicator

- Output range of 3,000 to 35,000 containers per hour, with only one label applicator, depending on the label width
- Hybrid roller technology for transporting the label film
- Flexible applications for thick, thin and multi-layered labels



TS: TopSpeed



CL: Classic

Autocol CL label applicator



Technical features and benefits

- High machine availability
 - The machine does not need to be stopped for cleaning
- Self-explanatory structure
 - User-friendly and easy to operate
- Collecting and fixing the label reels without any tools
 - User-friendly change-over of the label reels
- Ultrasonic sensor for the label position
 - Precise positioning regardless of the label material
- Adjustment of the axes with a handwheel including register
 - Quick and repeatable accurate change-over for each label dress
- Hybrid roller technology for transporting the label film
 - Flexible applications for thick, thin and multi-layered labels



Autocol CL: the versatile label applicator for the low and medium output range

Autocol TS label applicator



Technical features and benefits

- High machine availability
 - The machine does not need to be stopped for cleaning
- Collecting and fixing the label reels without any tools
 - User-friendly change of the label reels
- Ultrasonic sensor for the label position
 - Precise positioning regardless of the label material
 - Adjustment of the axes with a handwheel including register
 - Quick and repeatable accurate change-over for each label dress
- Automatic splicing available as an option
 - No machine stop at end-of-reel
- Feed and tension roller technology with contact-free label buffer system
 - Maximum labelling precision possible for the thinnest of films



Autocol TS: The label applicator for the high output range

Additional equipment



Automatic reel splicing unit

- Available for the Autocol TS label applicator as an option
- Automatic cutting of the old label reel
- Automatic splicing of the label reel
- Standard label carrier film disposal via a peeled label carrier film disposal unit or optionally with a separately driven rewinder

A new reel can be prepared during production and without any time pressure.



Multifunctional clamping starwheel

- Available as infeed, discharge, or distribution starwheel
- No curved guides required
- Use of starwheels for several container types with varying diameters
- Can be used as a rejection unit after the label inspector



Additional equipment



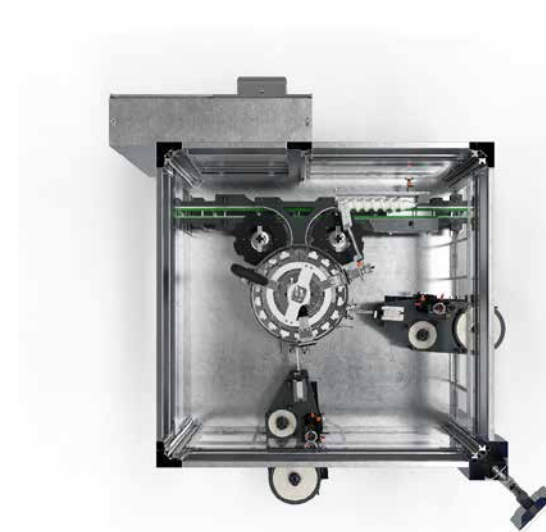
In the AUTO-change mode of operation, two Autocol label applicators are used for each label. This option is available both for the CL as well as for the TS label applicator.

Method of operation

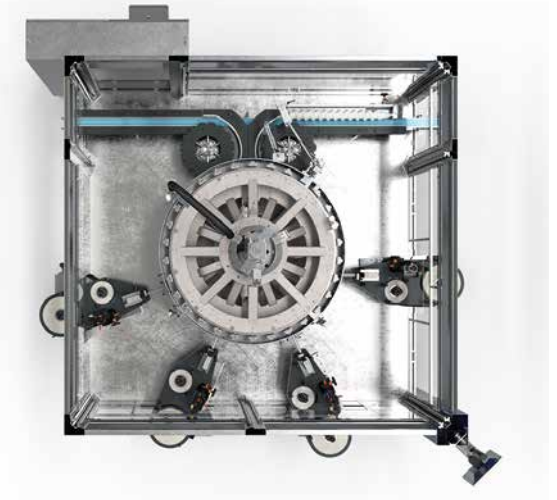
- One labelling station is in production and the other waits in stand-by mode.
- If the active label applicator stops, e.g. when the label film tears or during a reel change, the other applicator immediately takes over the production.

Benefits to you

- Increased machine availability thanks to redundant label applicators
- No reduction of the machine speed when the end of the reel is reached
- When used with a quick retraction unit and an individual machine guard: no time pressure and production stop during the label reel change and during the removal of the label carrier film at the inactive label applicator



Two labels per container **without** AUTO-change



Two labels per container **with** AUTO-change

System expansion

Checkmat inspection unit



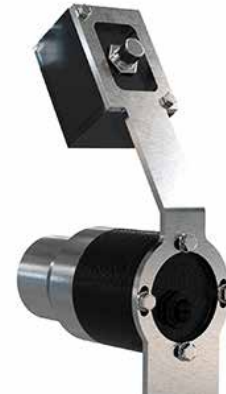
Method of operation

Configuration in packages (0, 1, 2, 3) with the following inspection options for the label and print depending on the requirements:

1. Presence
2. Position and slant
3. Correctness using a 2D code
4. Comparison of pattern and logo
5. Flagging labels
6. Bar code: Check for presence and read
7. OCR (Optical Character Recognition): Check for presence and read (e.g. date)

Benefits to you

- Rejection of faulty containers
- Comprehensive statistics functions and software
- Perfect integration in the main machine
- Relief for the operators
 - **Creation of new types for additional graphics with wizard**



Compact camera



EM camera in packages (0, 1, 2, 3)

Benefits to you



High labelling precision

Fixation of containers between the centring bell and the container plate ensures a highly precise container decoration.

Flexible application

The Autocol processes a broad range of different label sizes.

Large output range

With its different designs, the machine covers the entire spectrum from the low to the maximum output range.

User friendliness

The Autocol features ease of access and ease of operation.

Time savings

Only short change-over times needed when changing container or label type.

Less work for the operators

Significant relief for the operator thanks to optional features such as the reel splicing unit or the AUTO-change mode.

Future-proof

The Autocol can be retrofitted and converted also after many years of operation.



Request new machine

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



Everything from a single source



KIC Krones cleaning agents make your machine shine

Only if the production environment is immaculate, can your product be brilliant. KIC Krones provides you with the optimum cleaning agents and disinfectants for each individual production step.

KIC Krones lubricants for each production step

Whether for gears, chains or central lubrication systems – our greases and oils are true all-round talents. They can reach every lubrication point, protect your line and ensure gentle treatment for your products thanks to their food-grade quality.

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**

