Autocol
For processing self-adhesive reel-fed labels
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
- Use of remote maintenance possible as an option
Method of operation

1. An infeed worm spaces the incoming containers to the respective machine pitch.

2. The infeed starwheel transfers the containers to the rotating container table. Here they are firmly held and centred between the container plate and the centring bell.

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 roller 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 variant

− Hybrid roller technology for supplying the label film
  ▪ Flexible applications for thick, thin and multi-layered labels
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 variant

− 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 are necessary
- Use of starwheels for several container types with a diameter variance of up to 20 millimetres
- Use as a rejection system after label inspection possible
System upgrades: AUTO-change

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
System upgrades: 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: Checking the presence and reading
7. OCR (Optical Character Recognition):
   - Checking the presence and reading (e.g. date)

Benefits to you
- Rejection of faulty containers
- Comprehensive statistics functions and software
- Perfect integration in the main machine
- Less work for operators
  - Creation of new types for additional graphics with wizard
Benefits

**High labelling precision**
Fixation of the 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.

**Broad 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.

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

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

Lubricants from KIC KRONES for every production step
Whether for gears, chains or central lubrication systems – our greases and oils are true all-round talents. You can reach every lubrication point, protect your line and provide gentle treatment for your product thanks to our products' suitability for food.

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.