

Ergomatic

For cold glue labelling



High flexibility for cold glue labelling

When it comes to decorating containers with cold glue and cut paper labels, the Ergomatic system has been setting the benchmark for many years now. The machine has been designed as rotary machine and is equipped with a precisely operating labelling station. In terms of efficiency, accuracy and speed, the Ergomatic is absolutely unrivalled.

At a glance

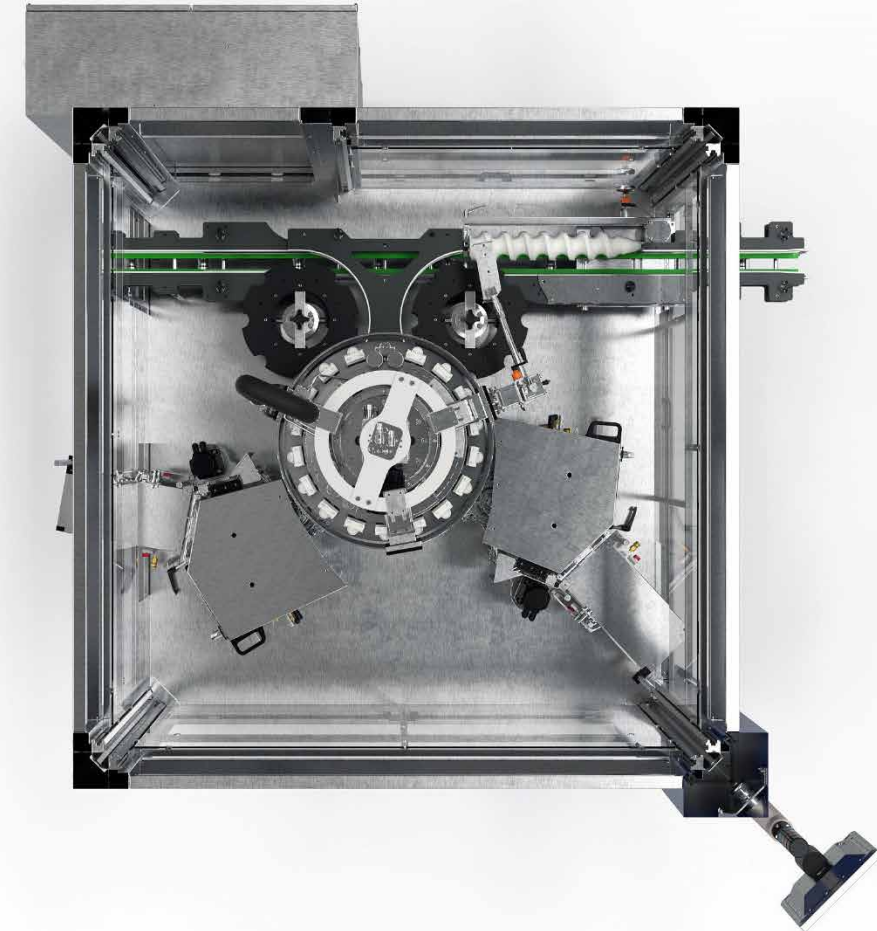
- Cold glue labelling on round and specially shaped containers
- Precise container positioning with centring bells and centring plates
- High-speed access to the user interface through individual transponders
- Remote maintenance is available as an option





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 revolving container table. Here they are firmly held between the container plates and the centring bells and centred for the labelling process.
3. In each labelling station, a glue roller made of hardened steel applies a very thin layer of glue to the rubberised glue pallets.
4. The glued pallets pick up the labels from the label magazine and pass them on to the gripper cylinder. The gripper cylinder positions these labels accurately on the containers as they pass by on the container table.
5. Brushes or roll-on sponges fix and smooth the labels on the container.
6. The labelled containers are collected by the discharge starwheel and transferred to the conveyor.

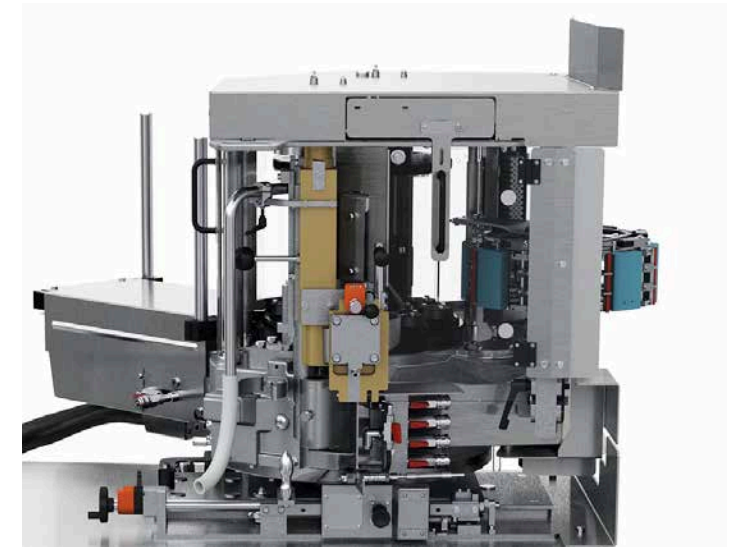




Ergomatic CL labelling station

Technical features and benefits

- Performance ranges from 3,000 to 72,000 containers per hour with just one labelling station (depending on the label width)
- The glue pallets have an oscillating movement
 - Low strain on the label through reduced pallet speed during label handling
- Hygienic design with smooth surfaces
 - Quick and easy to clean
- Polygon holders for glue roller, pallets and gripper cylinders
 - High-precision container decoration
- Glue roller bearing with freewheel device
 - Reduced wear on the glue pallets
 - Even glue application on the pallets
 - The glue roller can be removed for cleaning without tools
- Mechanical adjustments with counter
 - Exactly reproducible settings for type change-over





Additional equipment: Automatic magazine loading

Method of operation

- Supply of approx. 50,000 labels per labelling station
- For label widths from 60 to 180 millimetres
- Tried-and-tested, functionally reliable unit

Benefits to you

- The operators can prepare several label magazines in one work step while production is ongoing.
- The machine is productive for longer without any need for operator intervention.
 - Less work for the operators
 - Modern production system with a high-performance output





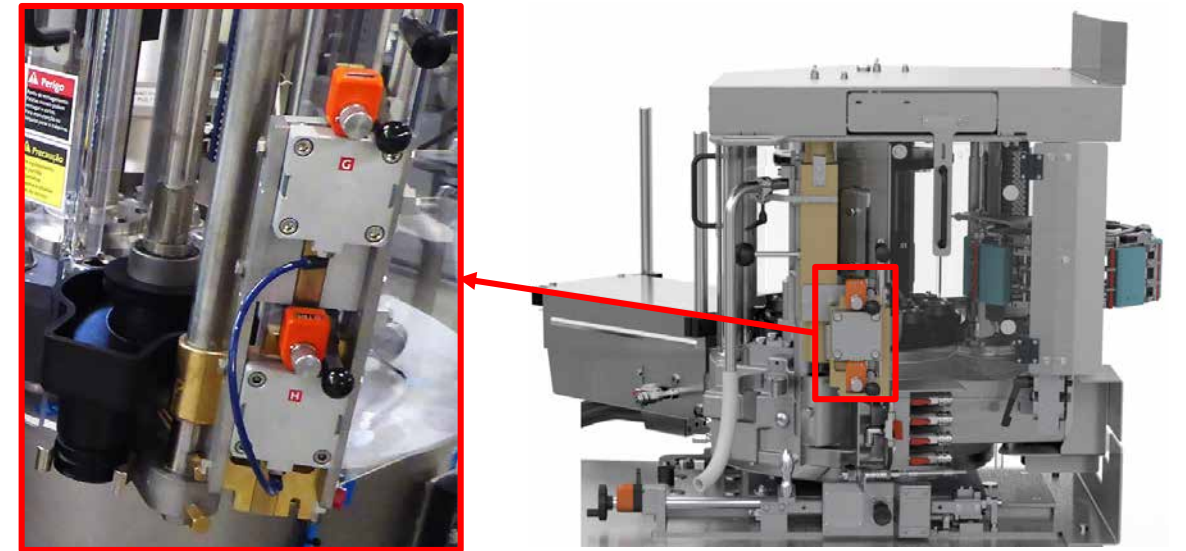
Additional equipment

Split glue scraper

- The split glue scraper allows two different glue thicknesses to be applied on one glue roller.
- The segments of the split glue scraper are each adjusted with a separate micrometer screw with register.
- This makes it possible to apply the ideal glue thickness when using different label types and materials.

Multifunctional clamping starwheel

- Application as infeed, discharge, or distribution starwheel
- No curved guides required
- The starwheels can be used for multiple container types with diameters that vary by up to 20 mm.
- Can be used as a rejection system after label inspection





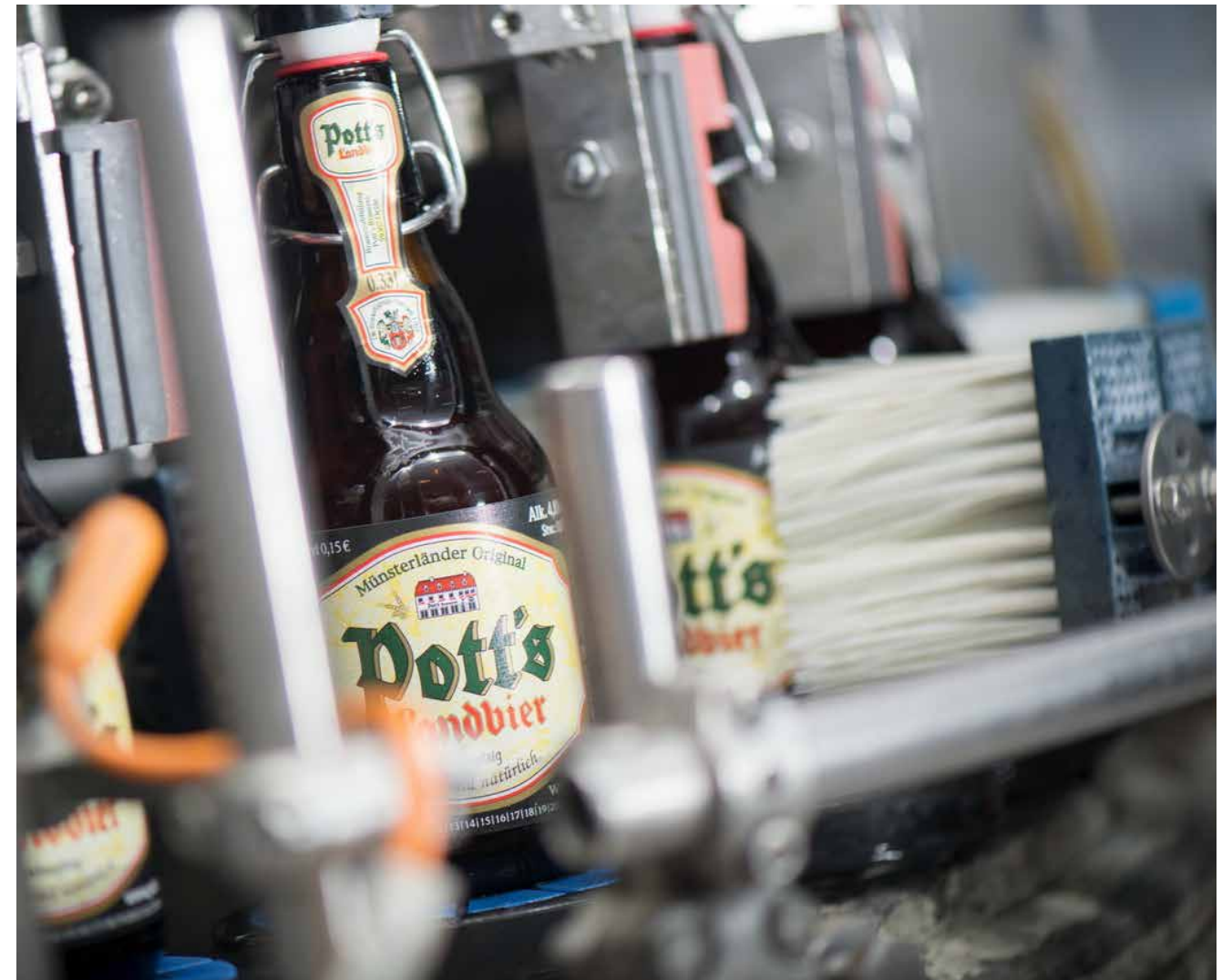
System upgrades: Labelling of swing stoppers

Method of operation

- Alignment of the containers with a camera system
- The swing-stopper labels are pressed on inside the machine with pressing-on units.

Advantages

- The swing-stopper label is pressed on immediately after being transferred to the bottle.
 - High labelling accuracy
- Split glue scraper for different glue film thickness for body and swing-stopper labels
 - Optimum glue application
- The body label is brushed on at the same time as the swing-stopper label is pressed on.
 - Optimum carousel design





System upgrades: Neck-foil brushing-on unit

Technical features

- Foil as a premium label and for authenticity protection
- Dedicated folding, smoothing, rolling-on and brushing-on devices
- Available variants:
 1. Smoothly applied foil – refer to the illustration
 2. Neck foil without post-treatment
 3. Foil with material accumulation on the crown
 4. Foil with the top open, with post-treatment
 5. Foil with the top open, without post-treatment

Benefits to you

- The foils can be precisely centred above the body label and carefully brushed on to the neck or closure area.
 - Consistent labelling results
- Split glue scraper for different glue film thickness for body labels and foils
 - Optimum glue application





System upgrades: Checkmat inspection unit

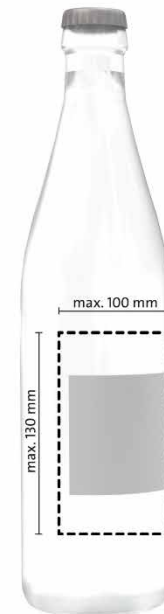
Method of operation

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

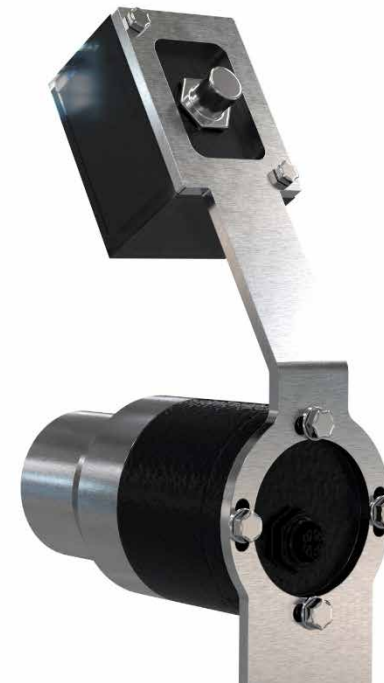
1. Presence
2. Position and slant
3. Correctness using a 2D code
4. Pattern and logo comparison
5. Flagging labels
6. Bar code: Check for presence and read
7. OCR lettering recognition: Check for presence and read (e.g. date)

Benefits to you

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



Compact camera



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



Benefits

High labelling precision

Fixing the containers between the centring bell and centring plates guarantees high-precision container decoration.

Flexible application

Ergomatic can process a wide range of different labels.

Wide performance spectrum

The machine covers the full range – from the low output range to the highest.

User friendliness

The Ergomatic offers easy access and is very user-friendly to operate.

Time savings

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

Reduced workload for operators

The optionally available automatic magazine loading system reduces the workload for operators during production.

Future-proof

It will still be possible to update and convert the Ergomatic system after many years of service.





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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.





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Process
technology



Bottling and
packaging equipment



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Lifecycle
Service

We do more.

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