



Rotomat

Decapper for the removal of screw caps



Reliable unscrewing of caps



With its variety of set-up options, the Rotomat perfectly complements the modular concept of a returnables line. Its flexible design makes it possible to match the decapper to the available space and the operating conditions in the respective bottling lines.

At a glance

- For metal and plastic screw caps –
depending on the model, also both on one machine
- Suitable for cap diameters of up to 50 millimetres
- Equipped with 6 to 25 decapping heads
- Line output up to 60,000 bottles per hour
- Rotary machine with different layout configurations



Method of operation



The decapping head consists of three grippers, each with two contact points to the cap. As a result, the cap is gripped at a total of six points and then unscrewed.

The use of a tracing pin with a damping device enables removal of even slanted, loose or overtighty screwed-on caps whilst protecting the threads.

The decapping head is equipped with a mechanism which compensates tolerances of bottle and cap heights. Rollers ensure low-noise and wear-resistant closing and opening.

Bottles that enter the machine without a cap are detected by the tracing pin. In these cases, the grippers remain open. This prevents unnecessary damage to the neck finish.



Design features



Carrousel diameter	infeed/ discharge starwheels	Machine pitch	Number of decapping heads	Output bph	Max. bottle dia. (mm)	Min. – max. bottle dia. (mm)
360	540/540	141	8	20,000	110	170 – 370
360	540/540	113	10	25,000	100	170 – 370
540	540/540	141	12	30,000	110	170 – 370
540	540/540	113	15	37,500	100	170 – 370
720	540/540	141	16	40,000	110	170 – 370
720	540/540	113	20	50,000	100	170 – 370
900	540/540	141	20	50,000	110	170 – 370
900	720/720	113	25	60,000	100	170 – 370

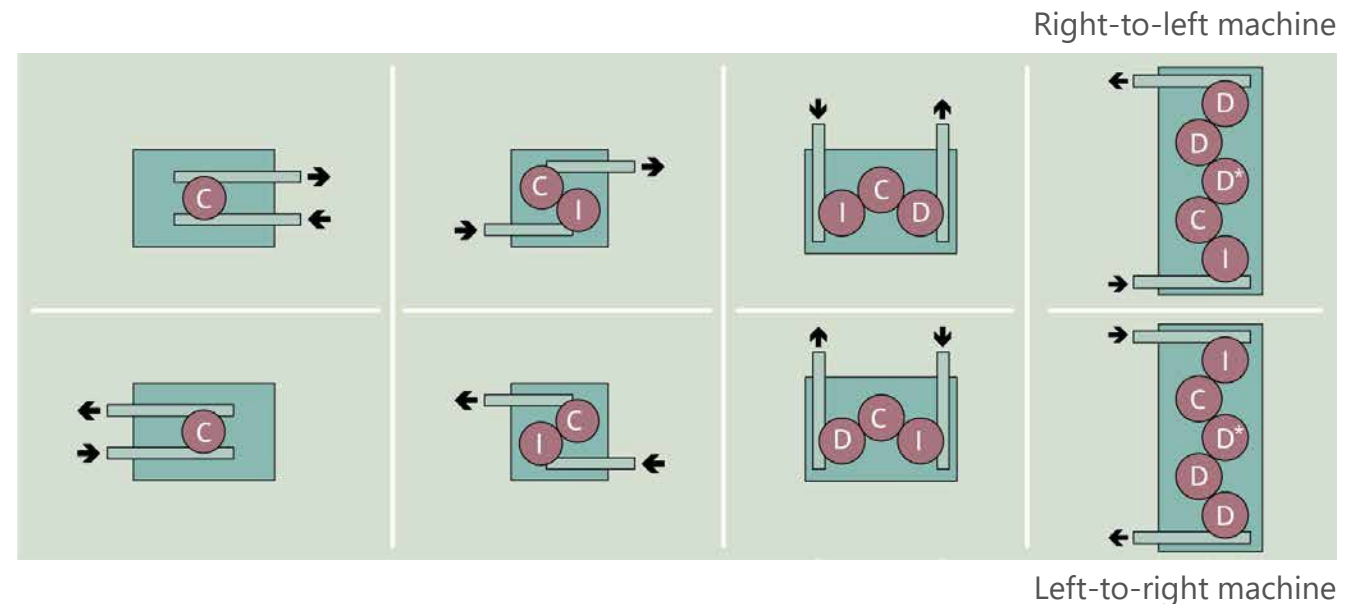
- All principal parts made of stainless steel AISI 304
- Cam made of hardened special steel
- Table top with cover made of stainless steel AISI 304
- Rejection of the caps and discharge via a blower
- Low-wear decapping heads thanks to roller-controlled grippers
- Multi-purpose decapping segments

Layout variants



The Rotomat decapper is of modular design and can be flexibly adjusted to the local conditions of every plant. The infeed and discharge situation can each be designed for either a right-to-left or a left-to-right machine.

- **Rotomat C**
Central starwheel
- **Rotomat IC**
Infeed, Central starwheel
- **Rotomat CD**
Central starwheel, Discharge
- **Rotomat ICDP**
Infeed, Central starwheel, Discharge,
Parallel container guide
- **Rotomat IC3DP**
Infeed, Central starwheel, 3 Discharge starwheels,
Parallel container guide



I: Infeed starwheel (Infeed) | D: Discharge starwheel (Discharge) | D*: Discharge starwheel with sodium carbonate injection | C: Centre starwheel (Central starwheel) | P: Parallel infeed and discharge

Additional equipment



- Clamping starwheel in the infeed for sorting and processing different container types without change-over
- Foreign bottle sorting by means of the detection of contour, colour and residual liquid
- Sodium carbonate injection for the downstream Krones Aircontronic for contamination detection
- Decapping heads for twist-off caps
- Automatic central lubrication system for precise lubrication by sectional lubricator

Inspection modules

- Detection of contour, height and colour of the containers with the Sekamat container sorter
- Residual caustic detection with high-frequency sensor or infrared sensor



Benefits to you



Reliable operation

The Rotomat safely unscrews caps of up to 50 millimetres and is not impeded by wet container surfaces. It even removes caps that are positioned at a slant or screwed on too tightly without damaging the thread. If a cap is missing, the decapping head remains open, thus preventing damage.

Easy handling

Conversions can be easily performed thanks to the automatic height adjustment of the decapper's top part. Thanks to low-wear decapping heads, the system is also easy to maintain and service.

High level of hygiene

The design of the machine follows the requirements of hygiene - especially through the consistent reduction of surfaces and clear separation of the drive unit and the decapping area by means of a table top.



Requesting a new machine

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Everything from a single source



Training courses at the Krones Academy – trained personnel will increase your line efficiency

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.

KIC Krones cleaning agents make your machine shine

An immaculate production environment is essential if your product is to shine. KIC Krones provides you with the optimum cleaning agents and disinfectants for each individual production step.

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.

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.

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BEYOND
TOMORROW**

