



KRONES Rotomat

Decapper



 KRONES

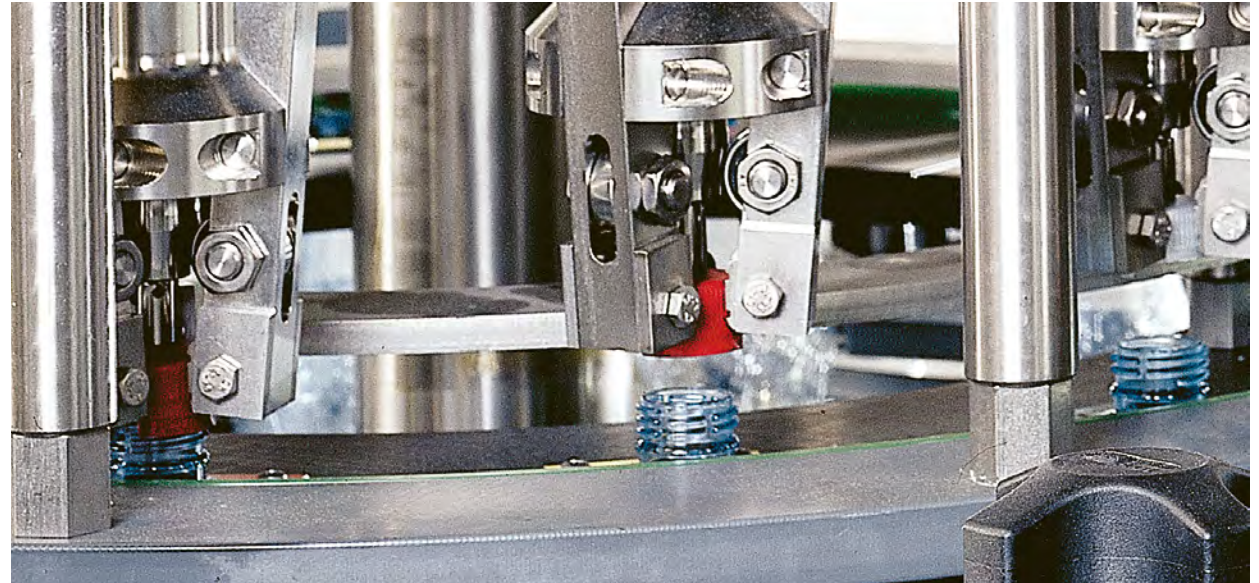
Safely unscrewing closures

KRONES Rotomat

The Rotomat is a compact machine that gently unscrews both metal and plastic screw caps. Designed as a rotary machine, the machine can be equipped with six to thirty decapping heads, and can therefore achieve maximum system outputs of 70,000 bottles/h. During a size change the decapper can quickly be converted to another bottle type.

Operating principle

The decapping head consists of three grippers which each contact the cap at two points. As a result, the cap is gripped at a total of six points and then unscrewed. The use of a sensing pin with a damping device enables even crooked, loose or tightly screwed-on caps to be removed whilst protecting the threads. The decapping head is equipped with a mechanism for height compensation that can compensate for the tolerances of bottle and cap heights. The closing and opening of the decapping head is controlled in a quiet, wear-resistant manner via rollers. Bottles that enter the machine without a cap are detected by the sensing pin. In these cases the grippers remain open. This prevents damage to the neck finish.



Three grippers fix the cap in place.

Variants

System advantages

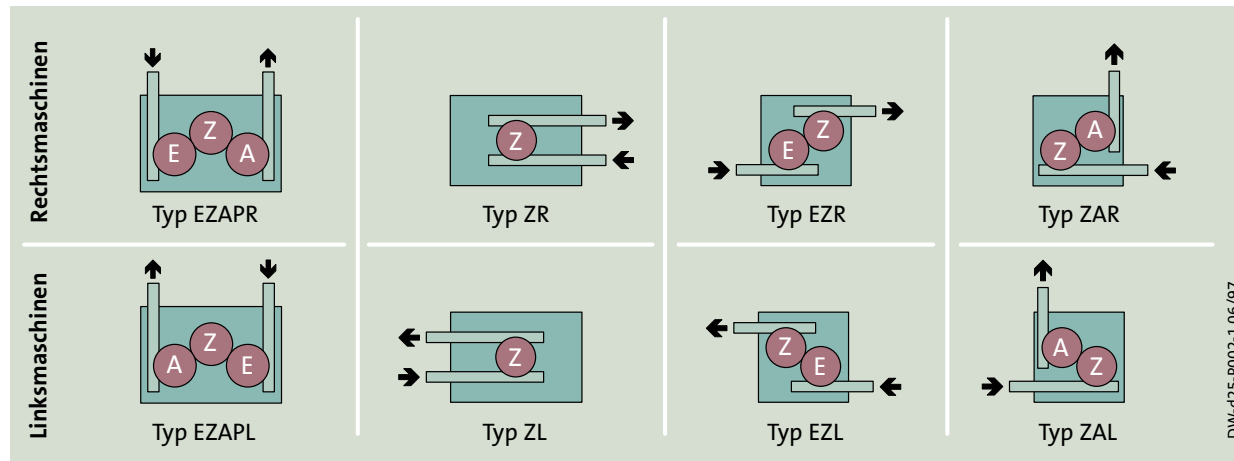
- Safe unscrewing of caps with a diameter up to 50 mm
- Accurate rejection of caps and transportation from the machine via a blower
- Low-wear decapping heads due to roller controlled grippers
- Decapper segments can be used on several sides

Layout variants

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



Rotomat decapper (left) and delabeller (right) in block



DW-d25-P002-1.06/97

- E Infeed starwheel
- A Discharge starwheel
- Z CPU
- P Parallel infeed and discharge
- R Left-right machine
- L Right-left machine

Figures, data, facts

Design characteristics:

- All major parts are made of stainless steel AISI 304
- Cams of hardened special steel
- Table top with cover of stainless steel AISI 304

Additional equipment:

- Clamping starwheels as infeed and discharge starwheels for sorting and processing different pack types without conversion
- Sorting of foreign bottles with detection of contour, colour and residual liquid
- Sodium-carbonate solution injection system for downstream KRONES Aircontronic to detect contamination.
- Neck-finish spraying system

Special models:

- Design of entire machine in AISI 304
- Double cap rejection with sorting according to metal or plastic caps
- Decapping heads for twist-off caps
- Block installation with delabeller and KRONES Aircontronic



Carousel dia. Infeed/ discharge starwheel	Pitch (mm)	No. of heads	Output bph (mm)	Btl. dia. max. (mm)	Btl. height min. - max.
360					
540/540	188	6	15.000	110	170 – 370
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
1080					
720/720	113	30	70.000	100	170 – 370



Digitalisation



Process
technology



Bottling and
packaging equipment



Intralogistics



Lifecycle
Service

We do more.

 **KRONES**