

RATIONATOR

Maschinenbau GmbH



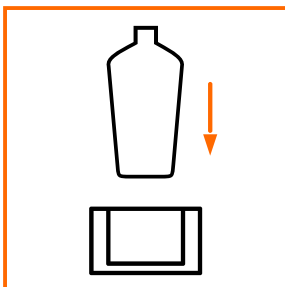
50
Years

Flexible Filling Lines

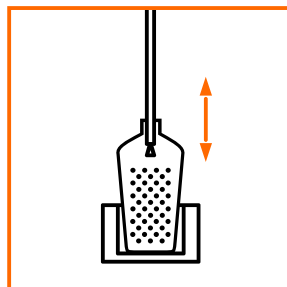
with RATILIGHT Puck System



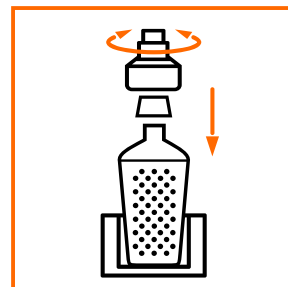
BEST WITH
RATILIGHT PUCKS!



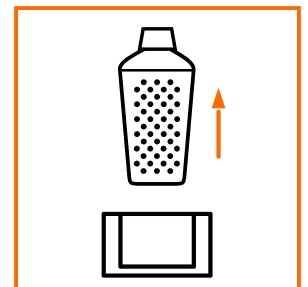
Bottle Handling



Filling



Capping



Conveying

Our Profile

RATIONATOR has been innovative in the packaging machine business for up to 50 years. Furthermore, it has managed to create a name for itself internationally as manufacturer of flexible filling lines with the so-called integrated puck system.

Our state-of-the-art machines have especially been designed to fit the needs of the cosmetics, the pharmaceutical, the chemical and, last but not least, the food industry.

Particularly for the cosmetic industry we have developed and optimized a versatile machine program which, due to short downtime and low format costs, enables our customers to ensure their economic manufacturing capability even with relatively small batch sizes. It is beneficial for our clients to reliably and efficiently process the most varied bottle and cap formats as well as a wide variety of filling products with one filling line only. This is mainly achieved by the consistent use of our inexpensive and versatile RATILIGHT Pucks.

The benefit from the flexibility of the RATILIGHT Puck System generally allows a wide range of bottle formats to be placed in the same RATILIGHT Puck.

Our customers also find it advantageous that the RATILIGHT Puck System allows them to react rapidly to changing market requirements. These requirements have had a significant influence on the development of our current line concepts for the medium and high power range.

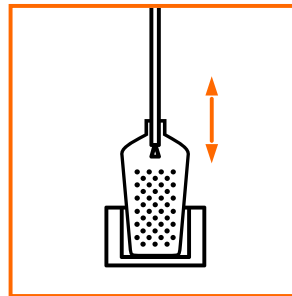
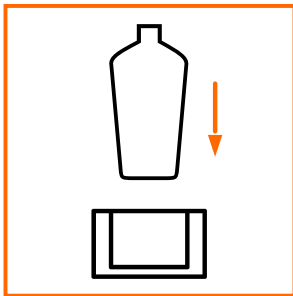
Finally, we are looking forward to provide our customers with support concerning either management or service questions at any time during our collaboration.



Flexible with System



Our Machine Program for your Product Range



Bottle Handling

BOTTLEMAT Robot with BOTTLE Pool

Significant advantages:

- ◆ Without format parts
- ◆ Quick and easy format change at the push of a button
- ◆ Large variety of formats from approx. 50 to 1.000 ml
- ◆ Careful bottle handling (recommendable even for PET bottles)
- ◆ High process reliability

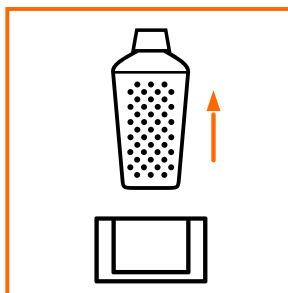
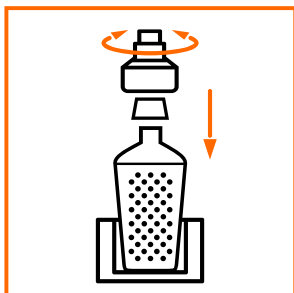
Filling

ROBOMAT autoCIP ROBOMAT autoSIP

Significant advantages:

- ◆ Without format parts
- ◆ Automated format change-over
- ◆ For highly liquid up to viscous or foaming products ranging in volume from 20 ml up to 1.000 ml
- ◆ Precise filling accuracy
- ◆ Automatic cleaning CIP or SIP
- ◆ Optionally for 2-phase products
- ◆ Optionally according to ATEX guidelines





Capping

ROBOCAP with CS
ROBOCAP DP with PCS

Significant advantages:

- ◆ Controlled capping by servo controlled capping spindles
- ◆ Digital selection of torque, speed and angular position
- ◆ Handles a large assortment of closures, e.g. screw-, press-on and orientation caps
- ◆ Optionally also for dosing and spray pumps

Conveying

RATILIGHT Puck 05
RATILIGHT Puck 1

Significant advantages:

- ◆ Safe bottle transport even for unstable bottles
- ◆ Gentle bottle handling
- ◆ Rapid and easy format change-over
- ◆ Well priced RATILIGHT Puck System
- ◆ Large assortment of RATILIGHT Pucks – available ex stock





Training

RATIONATOR is offering a comprehensive theoretical and practical training program for both customers and interested parties. The newly built visitor center hosts modern conference rooms for courses and workshops over several days. The diverse training modules are adapted to the respective training requirements: Basic training for machine user and machine setter, Basic and Expert training of Technique modules as well as a seminar for administrators. The content of the courses can be illustrated at the respective machines accordingly.



The Benefits of our Line Concept at a Glance

One-stop supplier for bottle unscrambling, filling, capping and the RATILIGHT Puck System:

- ◆ Covers output ranges from approx. 3.000 up to approx. 12.000 bottles per hour
- ◆ Fully automatic cleaning system autoCIP / autoSIP
- ◆ Standard program structure and user-friendly interface
- ◆ Consistent application of the RATILIGHT Puck System
- ◆ Safe and cautious bottle transport in RATILIGHT Pucks
- ◆ High functional reliability and efficiency
- ◆ Rapid format change-over times
- ◆ Minimal format costs
- ◆ Short delivery times
- ◆ Seal of quality "Made in Germany"



We offer an extensive service package you can rely on:

Spare part service | Format part service | Maintenance service | Hotline service | Training

