



Transportbecher-System • Carrier system



Reinigungsmittel • Detergents



Pharma • Pharmaceuticals



Lebensmittel • Food



Chemie • Chemistry

FURTHERMORE WE PRODUCE

- Bottle unscrambler ROTARY
- Bottle pick and place machine ESZ
- Flow metering filling machine RFC
- Gravimetric filling machine WFM
- Rotary filling machine RFM
- Computer controlled in-line filling machine RF Servo
- Single-spindle capping machines
GKV/GKV-Kombi and
GKV/GKV-Kombi Servo Control
- Rotary capping machines RLV and RLV Servo Control
- Capping machine SYNCHRO
- Capping robot CBM
- Carrier conveyor systems
- Special machines
- Sorting equipments, elevator feeding devices
and conveyor belts

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RTM



SORTING • FILLING • CAPPING

In-line filling and capping machine RTM



RTM ATEX design* with feeding table



Multifunctional in the smallest space and a maximum flexibility owing to purposeful CNC technology. The filling and capping machine RTM is used wherever the most widely varying dosing quantities, many different formats, small batch sizes and multi-part closing systems with a capacity of maximum 50 pcs./min. can be processed. The modular construction of the RTM makes it possible to employ different dosing systems and capping systems.

RTM STANDARD DESIGN

- CNC-controlled revolving filling and capping machine
- Optional filling by means of 1 or 2-position
 - piston dosing with servo drive
 - rotary piston dosing with separate servo drives
 - mass flow measurement
 - weighing cells
- optional capping by means of 1 or 2-position capping stations
 - with mechanical torque control
 - with servo-controlled torque control, positionable
- Drive of the revolving table, the filling nozzle movement, the piston dosing and the closing station by means of maintenance-free servomotors with digital control technology
- gentle star wheel transport by means of servo drive with ramp regulation
- integrated final inspections with rejection options
- outstanding setting facilities of the filling profile according to the properties of the product and the star wheel for maximum filling capacity
- short set-up times owing to complete format storage (about 1000 formats)
- user-friendly input without special previous knowledge
- perfect, simple cleaning through integrated cleaning programs or CIP/SIP
- outstanding filling accuracy and dynamics, huge strength reserves for highly viscous products
- matching to the filling profiles during the filling
- significantly larger dosing range than conventional piston filling or rotary piston filling machines
- integrated special functions like cleaning programs, 2 in 1-system, fault analysis, batch specifications etc.
- Siemens PLC S7, free access to hardware and software, no blackbox !

RTM 2/500 ATEX design*



Servo-driven piston dosing and sub-level filling nozzles, 2 closing stations, N₂ gasification and final inspection

RTM pharma line*

Closing head Servo Control with drop dispenser pressing-in station and final inspection



Ceramic rotary piston driven by 2 separate servo motors

ADDITIONAL FEATURES

- mixed or multicolored filling
- CIP/ SIP, GMP machine qualification
- preparation for the construction of laminar-flow
- ATEX design
- acid/alkali-model
- hot filling
- link to BDE
- with piezo-torque regulation that can be calibrated
- pharma line design

ADDITIONAL DEVICES

- different designed conveyor belts
- cap sorters, eg. HP disk sorting devices, VG vibratory sorters
- elevator feeding devices
- rotary collecting tables
- in-line container and cap orientation devices
- VC image processing system

QUALITY CONTROL

different mechanical/opto-electronic control stations, designed by us, can be installed. These stations optionally work with or without reject devices for not properly capped containers

CHANGE AND SPARE PARTS

- modern mechanical manufacturing machines are used for the production of our components. This enables us to manufacture all change parts in-house
- we exclusively work with well-known suppliers such as Siemens, Bosch, Festo etc.
- we will, of course, be pleased to meet our customers requirements for packaging design and production
- spare parts are stock-items

This, and the surveyable size of our company, guarantees our customers a prompt and flexible service.

*Special design

Errors and omissions excepted.