



xfillR

Small batch
Filling & closing machine

Filling and closing machine for small batches



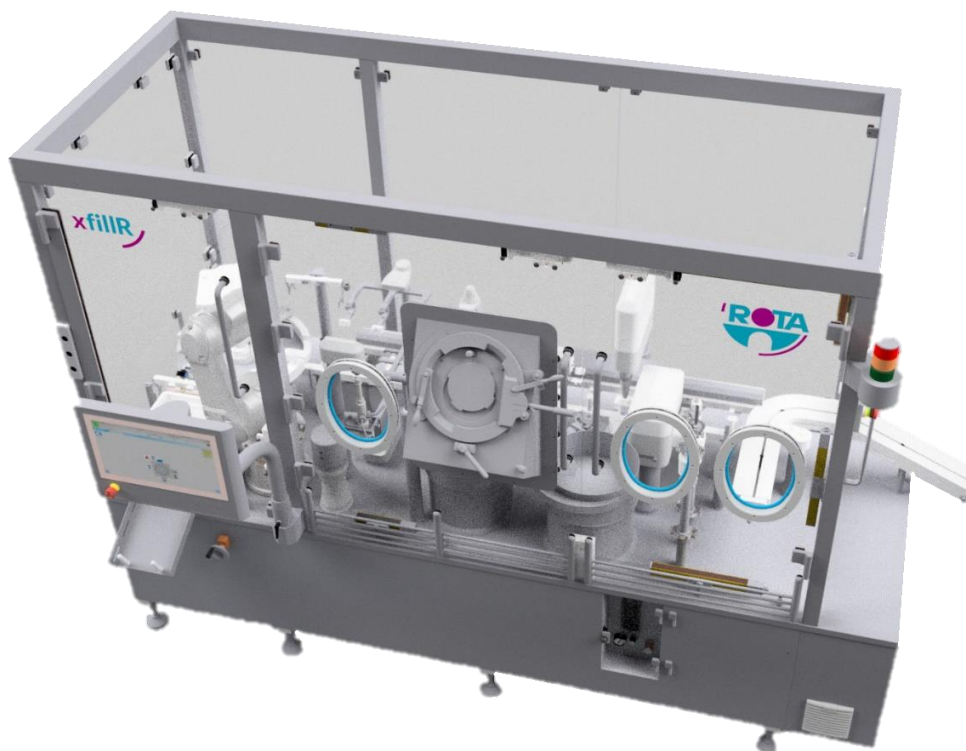
xfillR is the first and so far, only multipurpose machine that combines the filling and closing of very different objects such as vials, syringes, ophthalmic bottles, nasal sprays, cartridges, diagnostic micro-tubes in nests, trays and bulk - all in one.

To close these objects, xfillR also handles a wide variety of closures, such as stoppers, plungers, droppers, aluminum caps, screw caps, snap-on closures, RayDyLy® etc.

During the development of this compact small-batch machine with space saving dimensions, the focus was on maximum flexibility and simple handling:

To process different objects, only very few format parts are required, which can be changed quickly and without tools. Operation from one side is possible so it can also be positioned against a wall.

Thanks to its modular machine concept, xfillR can be expanded at any time and optimally adapted to specific requirements.



Standard equipment

- Infeed turntable for vials
- Application range: up to 52 mm diameter
- Output: up to 1.800 Obj./h
- SoftPLC
- 15" colour touch screen with stainless steel housing, with password and recipe management
- Filling through high accuracy rotary piston pump
- Stopper and Flip-Off caps sorting and feeding
- Crimping station
- „Good„ as well as „Reject“ outfeed magazines
- Format parts for one object and closure size
- Outfeed counter
- Safety cabinet as oRABS enclosure

Options

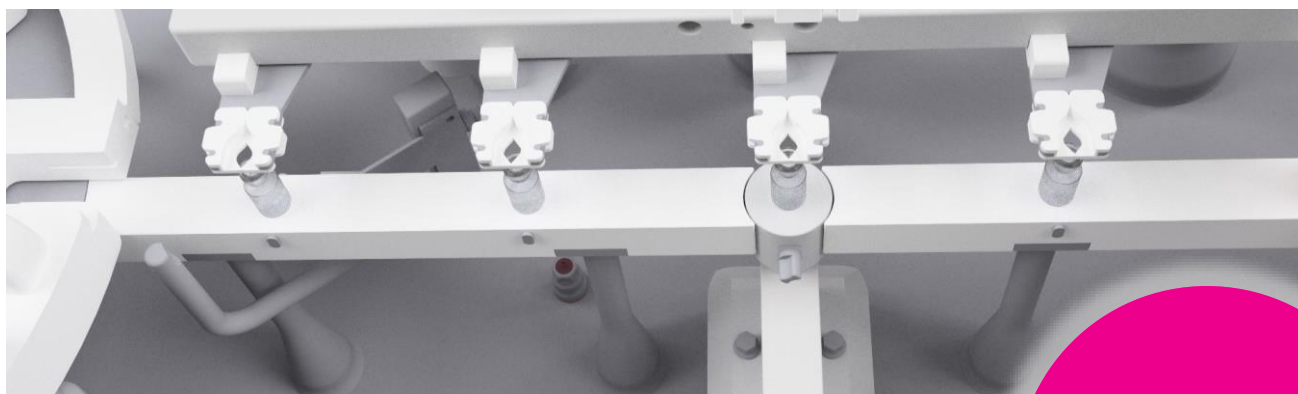
- Debugging station for nested objects
- Debugging station with inverting device for vials in trays.
- 100% or statistical weigh-check
- „Zero-Reject“ - system
- Filling through peristaltic pump
- Recirculation system for suspensions
- Robot for handling nested objects
- RTP port for closures and/or material
- Screw-capping station
- Snap-on station
- cRABS or Isolator
- Particle monitoring
- Qualification documents
- Electronic batch protocol
- 21CFR Part 11 conformity
- Other options on request

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xfillR is the perfect solution for use in CRDMOs and manufacturing for clinical trial in the pharmaceutical industry. xfillR is also the ideal system for processing small batches in the biotech industry.

Implementing highest flexibility and modularity, all cylindrical containers can be transported, filled and closed.



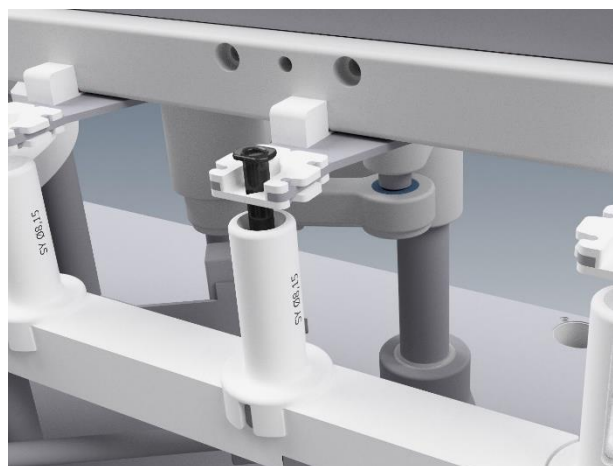
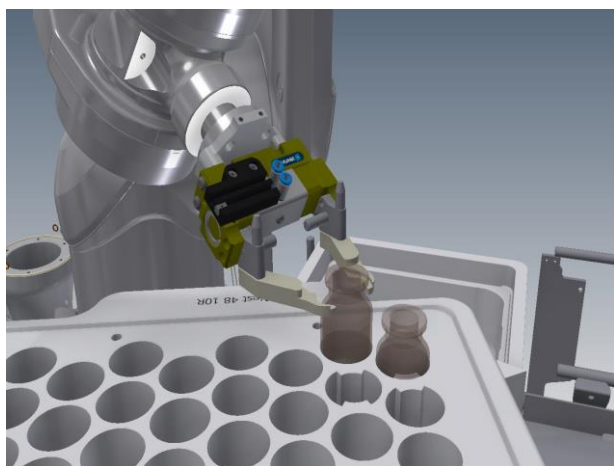
**Flexibility
made
simple.**

xfillR is a very compact machine that

- can process all common cylindrical pharma objects, whether Ready To Use in nests or trays, whether stable or not,
- processes a complete batch or a single object only,
- fills with rotary piston pump and/or peristaltic pump,
- controls the filling by means of load cells, either 100% or statistical,
- inserts stoppers, plungers or droppers,
- closes vials with crimp caps and even snap-on closures.

The precise individual transport of each object guarantees a gentle movement without glass/glass or glass/metal contact, thus avoiding scratches and particle emissions.


Switching between different object sizes is possible in a very short time with xfillR - thanks to the innovative formatless gripper transport system, a pharmaceutical-grade robot, as well as fully servo-controlled units that are automatically adjusted through recipe stored parameters.



From oRABS to isolators, xfillR can meet all safety requirements for product and/or operator protection while providing user-friendly access to workstations for production preparation.

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Machine variants



	RTU in Nest			RTU Trays/ Bulk			Closures				
	Syringes	Cartridges	Vials	Vials	Eye drops	Nasal spray	Stoppers	Flip-off caps	Droppers	Screw-caps	Snap-on
RKC30/GB	✗	✗	✗	✓	✗	✗	✓	✓	✗	✗	✗
RKC30/TS-AP	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓	✓
RKC30/GB-TS	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✗
RKC30/GB-TS-AP	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓
RKC30/G-NV	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗
RKC30/GB-NV	✓	✓	✓	✓	✗	✗	✓	✓	✗	✗	✗
RKC30/GB-NV-TS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
RKC30/GB-NV-TS-AP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Other ROTA machines

- Washing machines for ampoules and vials
- Hot air depyrogenation tunnels for ampoules and vials
- Ampoule filling and sealing machines
- Vial filling and closing machines
- Filling and closing machines for nested objects
- Labelling and assembling machines for syringes
- Labelling machines for cylindrical objects like ampoules, vials, cartridges
- Integrated Fill/Finish lines, including freeze dryer and automatic loading/unloading systems

With the world's first filling and closing machine for ampoules, ROTA began developing machines for primary packaging in the pharmaceutical industry already 100 years ago. To date ROTA is a reliable and competent partner in the field of aseptic filling of liquids with precise individual solutions and a high quality machine portfolio.



Send us your request or specifications. We look forward to implementing your requirements sustainably with technologically flexible solutions and to supporting you with our service.

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