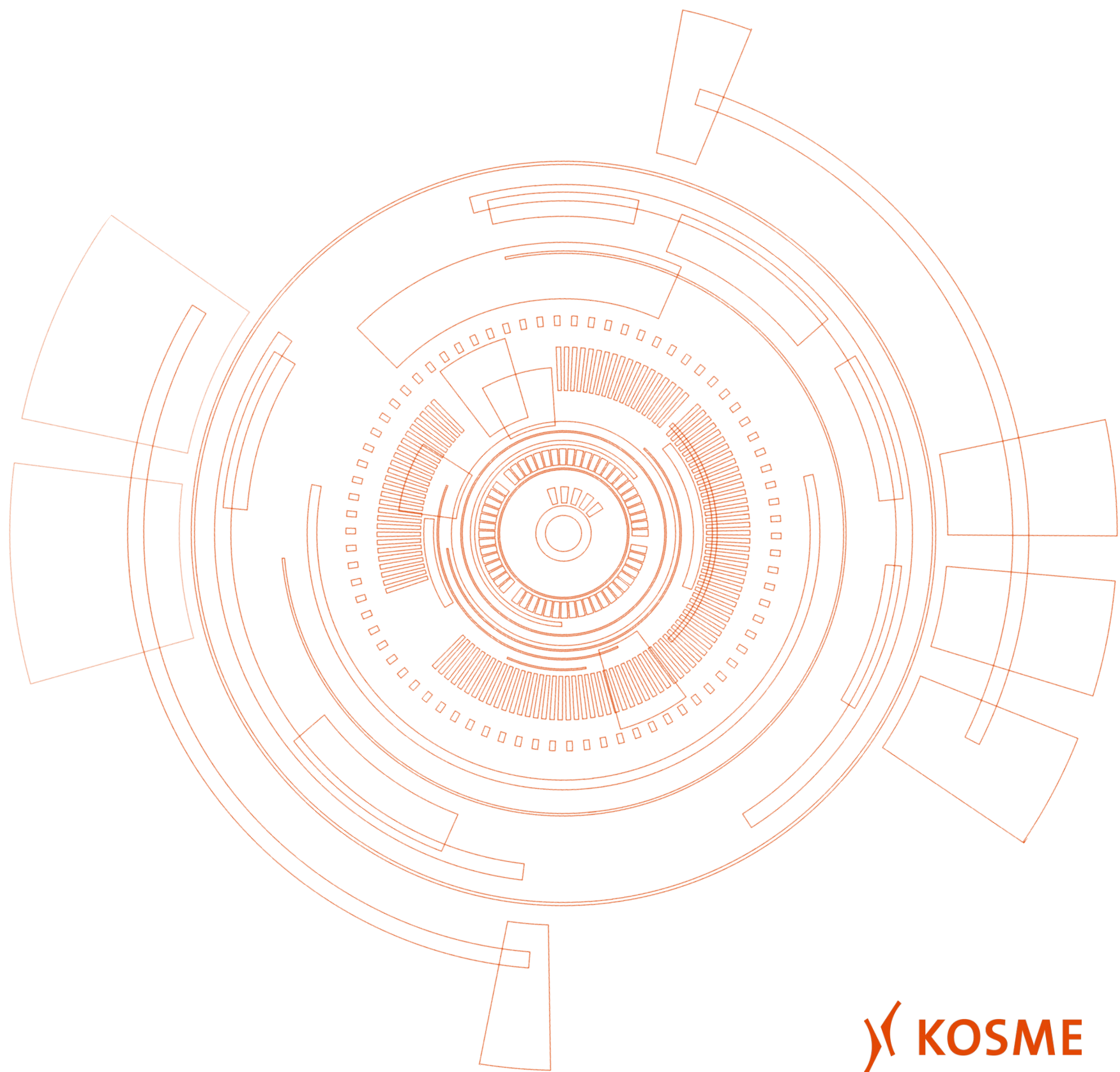
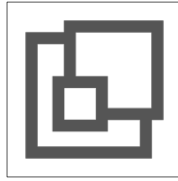


KOSME 3Bloc

Three machines in one block





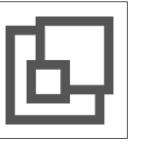
3Bloc – Three machines in one block

The new KOSME 3Bloc is a new machine designed to combine directly the KOSME technologies of blow moulding, filling and labelling in just one single machine without conveyors.

The single-block solution for stretch blow moulding, filling and labelling offers substantial advantages for customers:

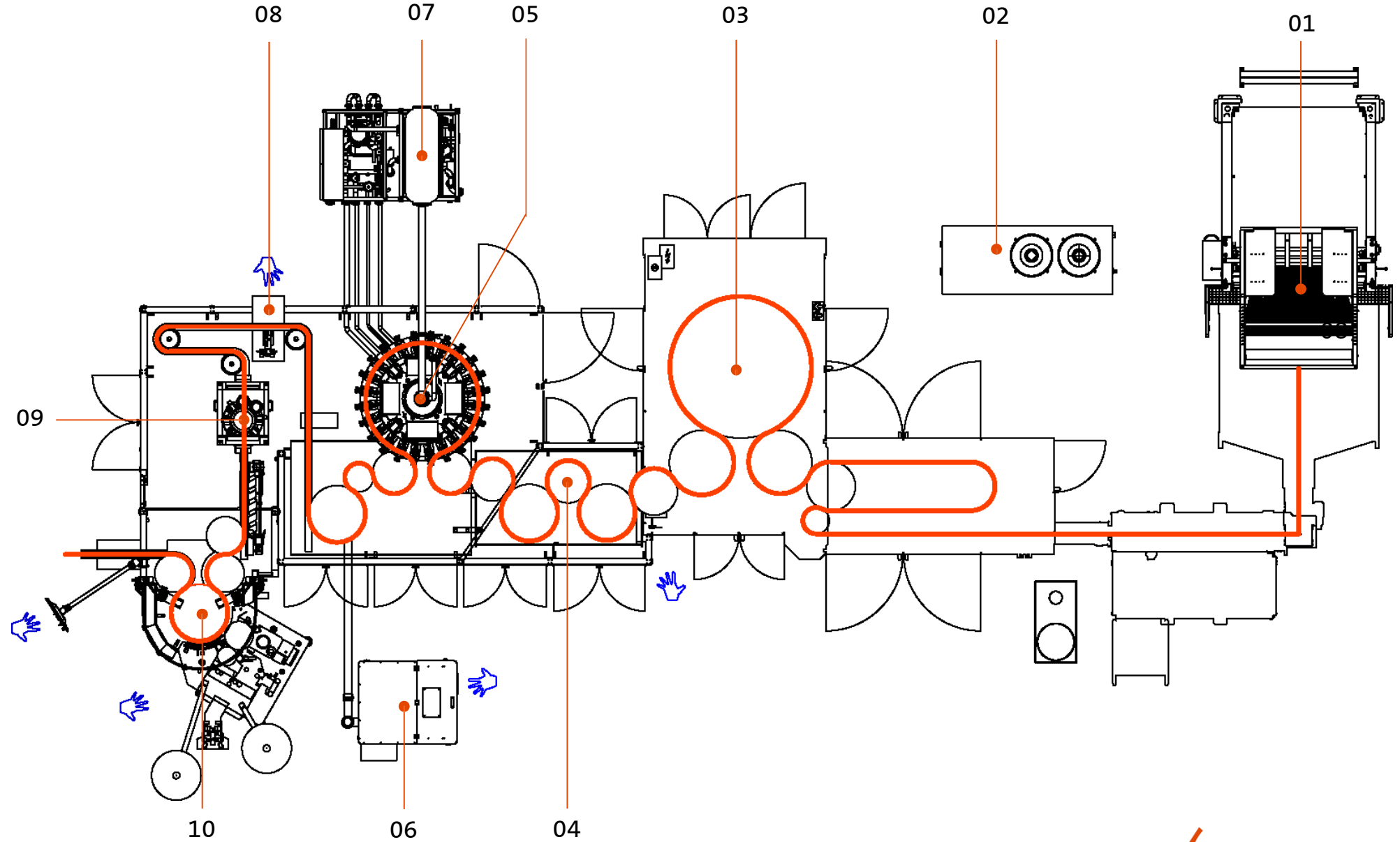
- Layout simplification thanks to the elimination of conveyors between the blow moulder and the filler
 - Capital and running costs reduction
 - Energy saving
 - Reduction of format changeover times and, more generally, of maintenance.

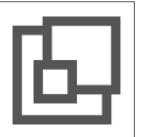




Layout example

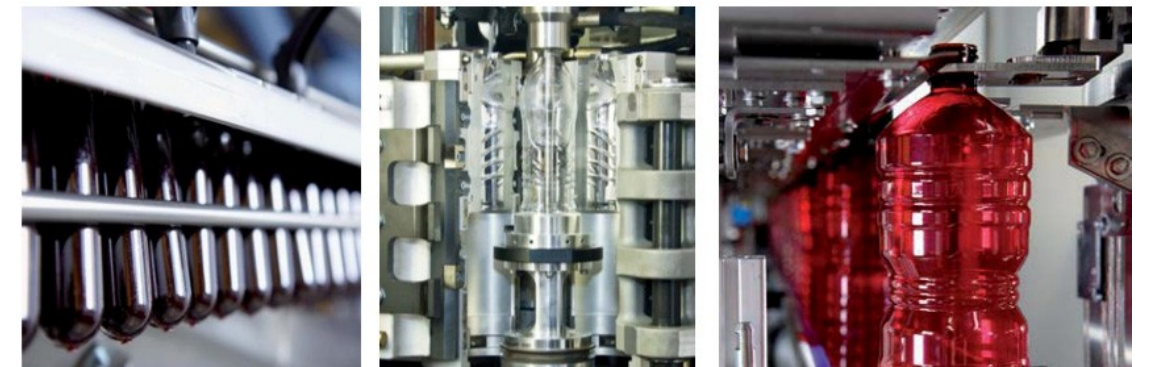
- 01 - Octabin tilting unit
- 02 - Radiator
- 03 - Blow moulder (KSB 6R)
- 04 - Bottle Transfer Table
- 05 - Filling machine (Volufill FC)
- 06 - Cap elevator
- 07 - Integrator CIP
- 08 - Ejector
- 09 - Dryer
- 10 - Labelling machine (FlexaReel)





KOSME stretch blowing machine KSB R

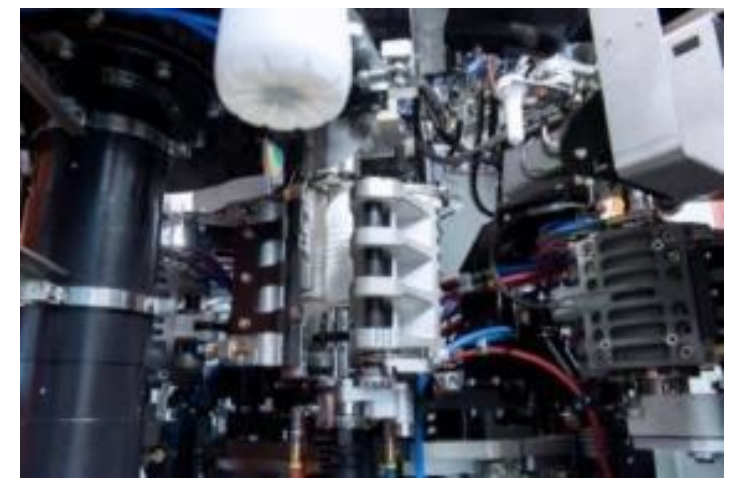
- More time available for processing thanks to the reduction of downtimes, which in turn is made possible by the new patented sealing system coupled with a quick vent unit.
- The simplified preform system ensures extremely reliable work results.
- Production systems with reduced energy consumption during heating and stretch blow moulding.
- High work flexibility and repeat accuracy.
- Excellent accessibility, extremely easy to operate and service.
- Unprecedented speed for format changeover.
- Bottles designed by KOSME.

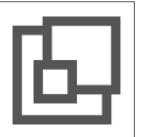




Advantages of the KOSME KSB R

- Max. performance 2,000 bottles/hour per cavity
- Comparatively longer service life with reduced process downtimes thanks to the patented capping system and quick vent unit
- Easy preform transfer to ensure maximum reliability during operations
- Heating and blowing module with energy-saving production settings
- High process flexibility and repeat accuracy
- Outstanding accessibility, extremely easy to operate and service.
- Extremely reduced times for format changeover
- KOMSE bottle design

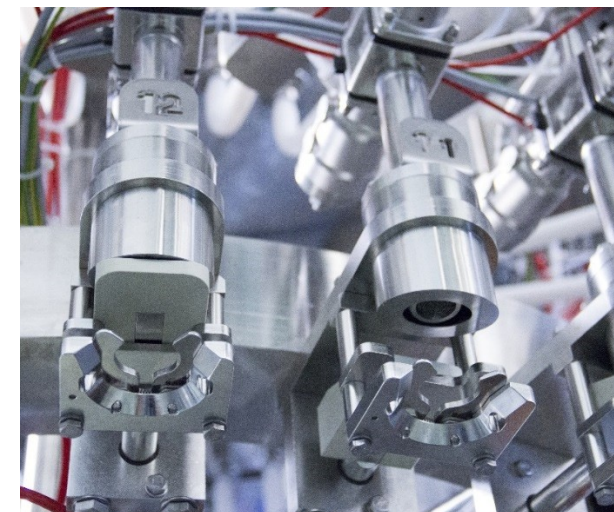


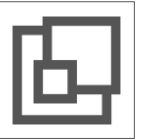


Filling technology

Large filling angle, high hygiene standards

- Large filling angle - small machines
- Short filling time = smaller machine
- Electropneumatically controlled filling valve functions
- Gravimetric fillers with full-jet process
- Filling quantity measurement through inductive flowmeters
- Contactless filling
- Two filling speeds
- Design without lifting cylinder
- Parts that come into contact with the product in AISI 304 materials
- Laminar flow





Technology in detail

Capper concept

- Connection with several sealing heads for different concepts
- Modular design for the combination of different carousels
- Capper available in AISI 304 stainless steel in hygienic design



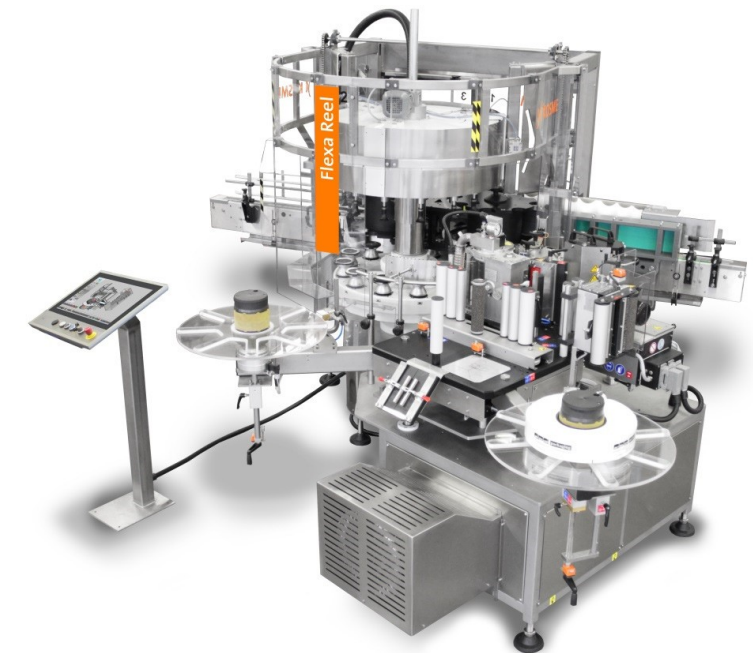


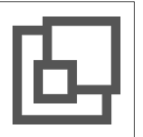
Flexa Reel – high flexibility for wrap-around labelling

The Flexa Reel is a wrap-around labeller that applies film labels with a hotmelt strip. Labels can be applied to the containers either with or without overlap.

Concept

- Wrap-around labelling for cylindrical or specially-shaped containers
- Exact container positioning by means of centring bell and centring plate
- Container table design according to the planned container portfolio
 - with toothed belt and servo motor for cylindrical containers
 - with servo-controlled container plates for specially-shaped containers in the higher output range
- Hotmelt gluing unit with steel glue roller and adjustable glue scraper
- Operation with quick access to the user interface by means of individual transponders
- Use of remote maintenance



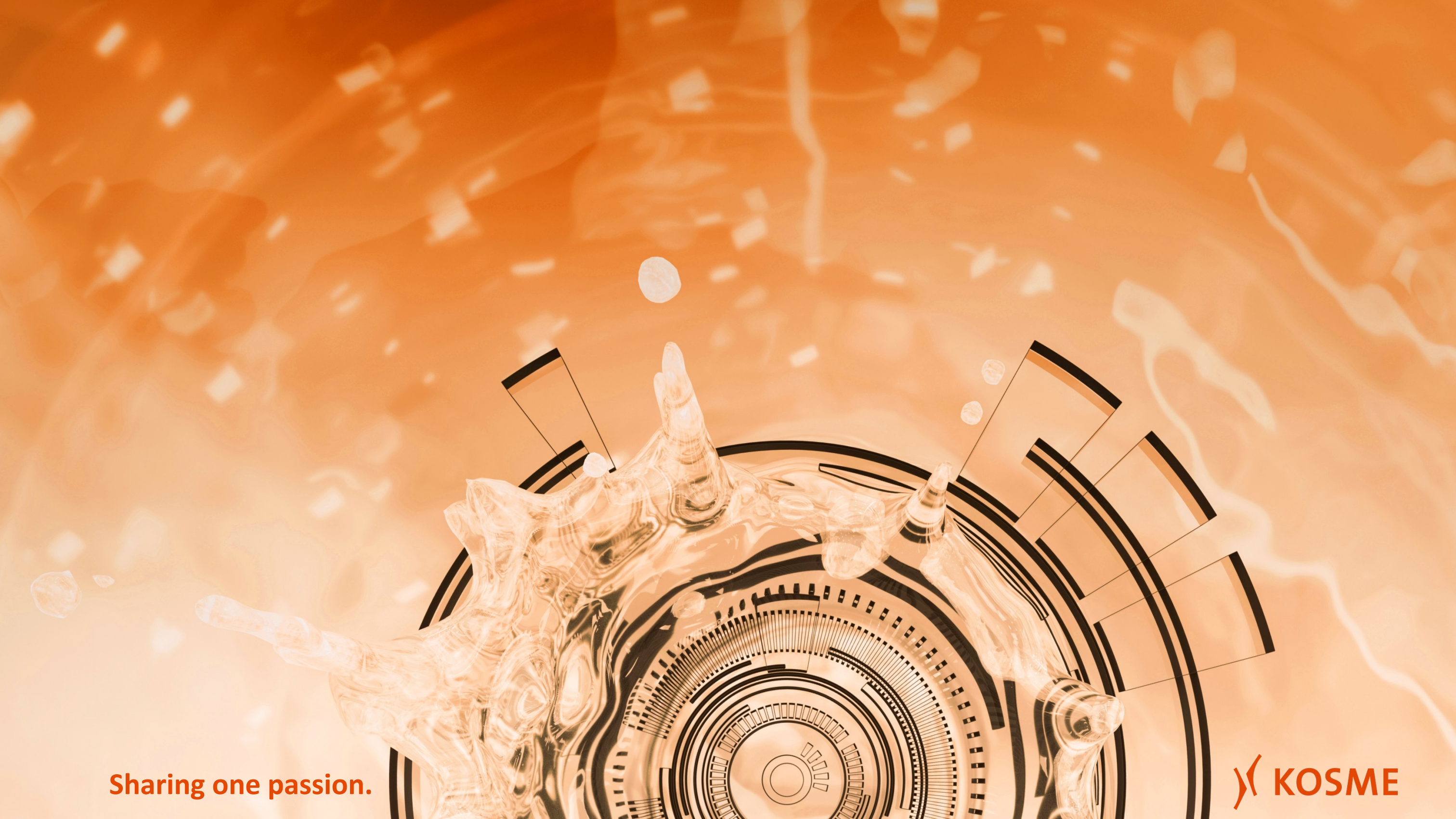


Industry 4.0 – KOSME machines for the future

KOSME is already preparing for the new Industry 4.0.

A concrete example is the reel feed system Flexa Reel, for which a new control panel has been developed, with which the machine may communicate with the rest of the world via a server for exchanging information, collecting data such as spare parts data through e-shops, fix and notify faults, etc.





Sharing one passion.

 KOSME