

Assembly line for pipettes



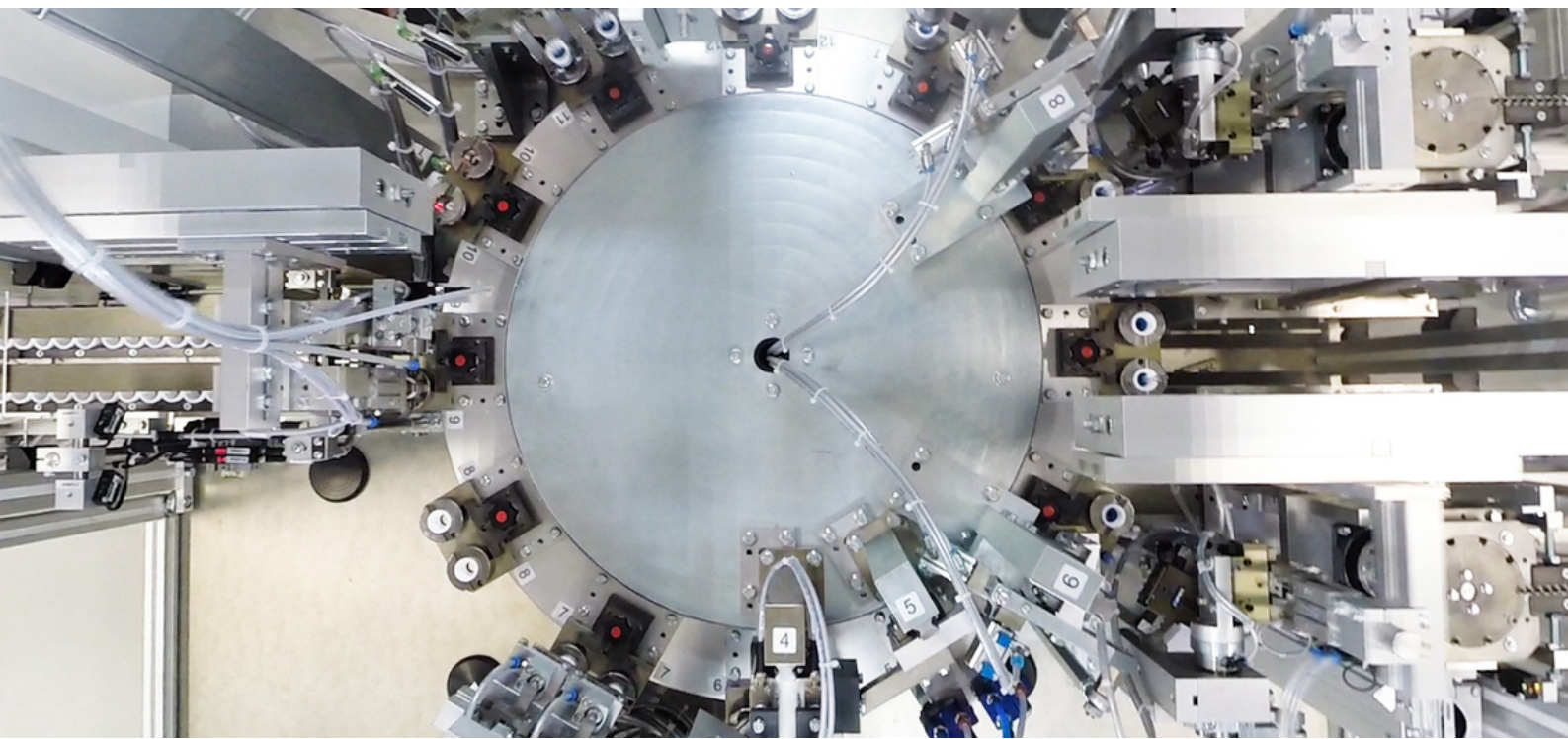
The customer requirements

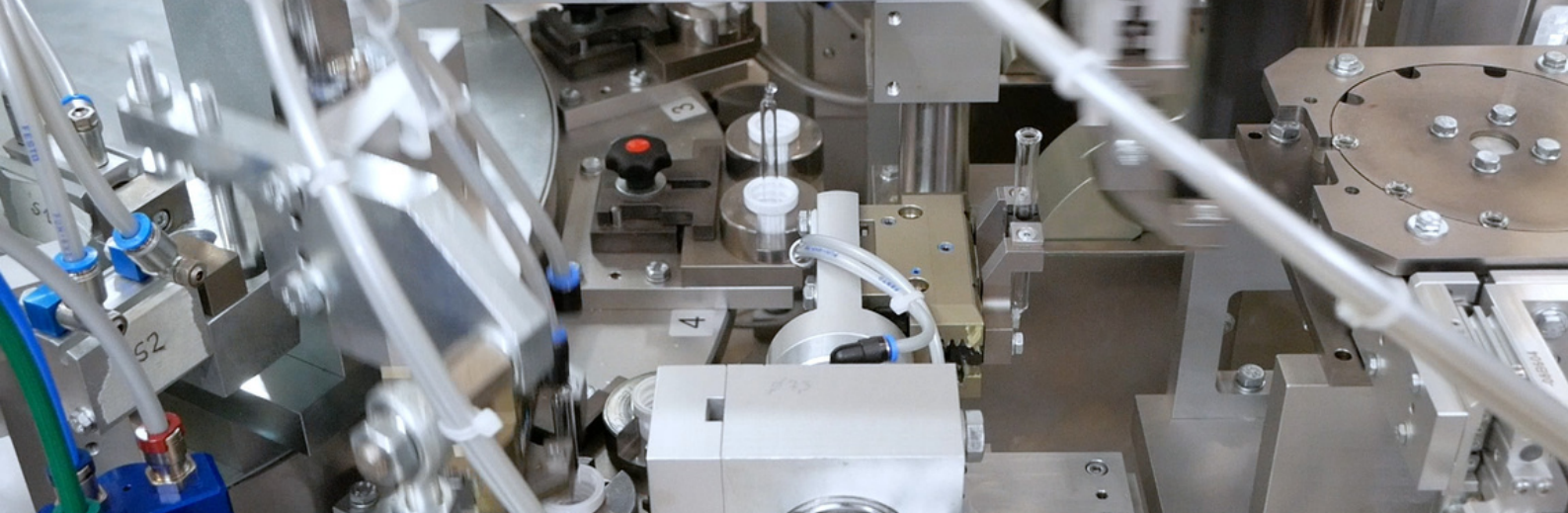
- Assembly of 7.200 pipettes/h
- > 30 Types of product, different in length and diameter, each consisting of 3 single parts
- Flexibility to assemble the existing product range and future types of products
- Short changeover time for variant changes
- Safe feeding and assembly of the very sensitive glass pipettes
- Safe feeding and assembly of teats in different materials e.g. TPE, natural rubber, Nitril, PP, HDPE
- Machine design according to GMP-guidelines

The **LAS**-solution

Cam-controlled assembly machine **ratioCELL** with rotary indexing table with 12 fixtures

- 60 cycles/minute dual-lane (7.200 parts/h)
- Good accessibility
- Simple to operate
- Changeover time less than 10 minutes
- Safe feeding of glass pipettes with lengths from 44 to 124 mm
- Reliable feeding of the teats from different materials
- Cleanroom design
- Easy cleaning of the machine
- Ergonomic working height

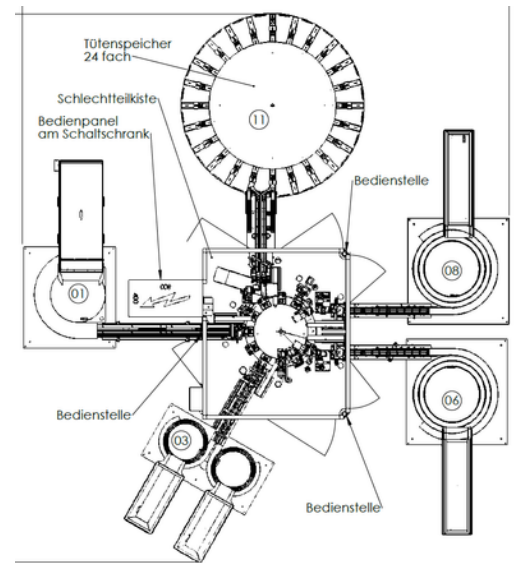




Assembly sequence

- Feeding, insertion and inspection of the cap
- Feeding, assembly and inspection of the teat
- Leakage test
- Feeding, assembly and inspection of the glass pipettes
- Inspection of the assembled glass pipettes for height and completeness
- Ejection of the OK parts into bags and the NOK parts in bulk
- Empty control of the assembly fixtures

On request further process stations can be integrated like assembly of tamper-evident ring, assembly of child safety lock, marking, inspection etc.



Film



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