

Assembly line for window fittings

The customer requirements

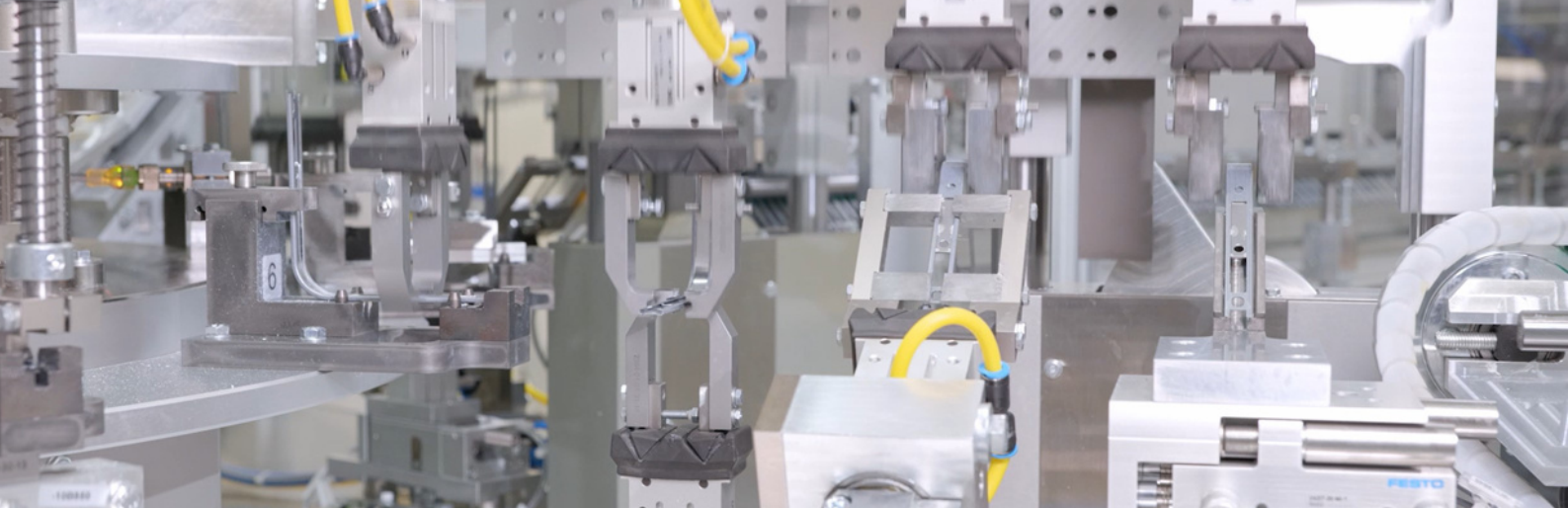
- Assembly of 2,640 window fittings/h
- 2 formats
- Stamping the springs
- Feeding of the fittings via magnetic unloader
- Lubricating the fittings at several points
- Quick format change
- Robust design for 24/7 production

The **LAS** solution

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

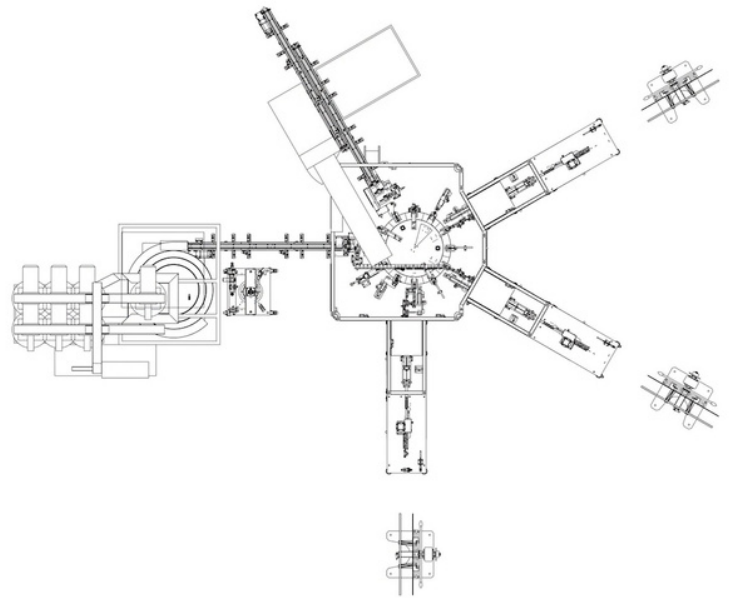
- 45 cycles/minute single-lane (2,700 parts/h)
- Sound insulation hood with automatic opening for feeding by magnetic unloader
- Spring hinges are automatically uncoiled from reels and stamped
- Checks after each assembly step
- Easy format change, good accessibility





Assembly sequence

- Feed, insert and check fitting
- Injection of several lubrication points with grease metering device in two steps
- Uncoil spring hinge from reel, stamp and insert into fitting with subsequent check (at 3 stations)
- Push the 3 spring hinges to the correct position
- Check
- Output OK parts as bulk material
- Output NOK parts into containers
- Emptiness check of the fixture



Film



Your contact

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