

Assembly line for Centrifugal Couplings

The customer requirements

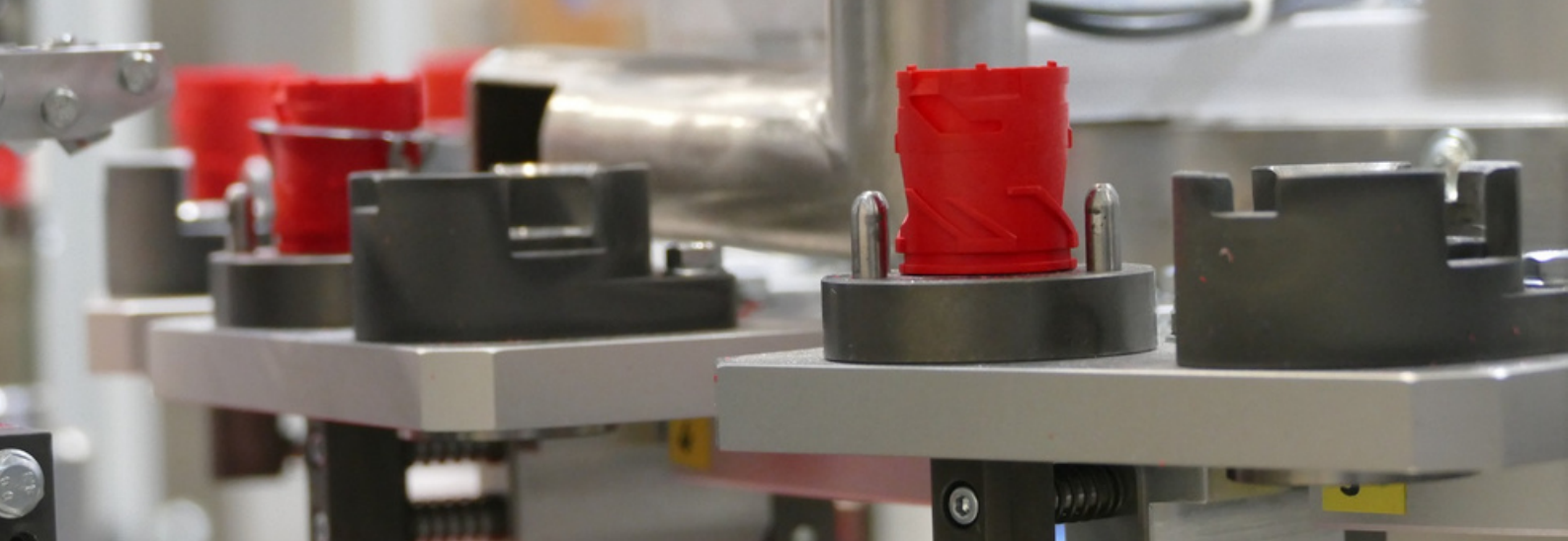
- Assembly of 1,200 centrifugal couplings/h
- Robust design for multi-shift operation
- Functional testing of each produced coupling with opening/closing speed
- High degree of machine autonomy
- Low space requirement

The **LAS**-solution

Cam-controlled assembly line **ratioCELL** with rotary indexing table with 16 fixtures

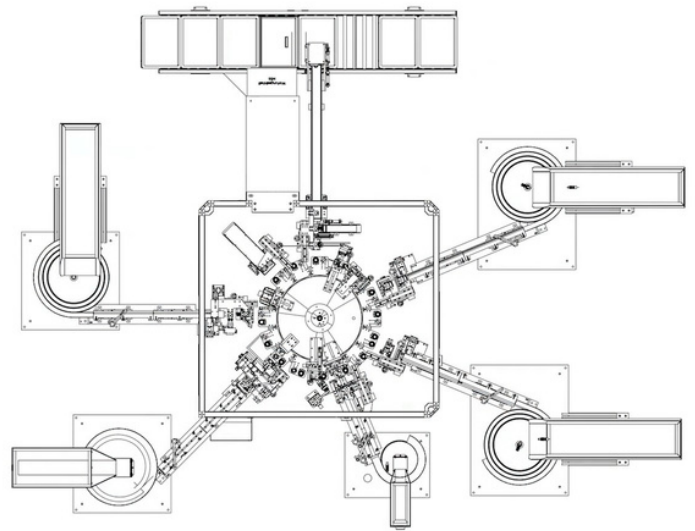
- 20 cycles/minute single-lane (1,200 parts/h)
- Compact design
- Good accessibility
- Simple operating concept
- Machine autonomy ≥ 2 h





Assembly sequence

- Feeding, insertion and inspection of the inner sleeve
- Feeding, assembly and inspection of the spring
- Turn spring into position and check
- Feeding, assembly and inspection of the centrifugal weights.
- Feeding of the outer sleeve, placement on inner sleeve and inspection
- Feeding, insertion and inspection of the cover
- Push the inner sleeve with the outer sleeve into the lid and check.
- Residual clamping force check
- Separate output of OK parts, QA parts and NOK parts



Film



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