

Automatic assembly machine joining with induction heating



- Automatic assembly machine for joining interference fits by means of induction heating for components of electrical motor-driven automobile pumps.
- Assembly principle:
- 1. Manual equipment of tools with the individual components
- 2. Automatic centring by means of the floating bearing of the workpiece adapter
- 3. Temperature-controlled induction heating of the housing
- 4. The ball bearing shaft and stator can be inserted into the expanded housing
- 5. Force displacement monitoring of the joining process
- 6. Automatic separation of OK and NOK parts
- 7. Discharge via conveyor belts with cooling zone
- Optional: coded tool change sets
 - individual component supply via robot system





Technical Data

Machine control

Visualisation

SIMATIC S7 PLC

Touch panel