

task description potting of an optical sensor and integration into a master production line

application field automotive

properties

- ✓ cycle time: 5 sec
- ✓ 3- shift operation (1,6 Mio. parts/y.)
- ✓ sealing mass without any bubbles
- ✓ surface have to be pasting
- ✓ mixing ratio: 100:3
- ✓ preheating as function of time and temperature
- ✓ curing as function of time and temperature



construction

**material conditioning (1)**

- ➡ degassing of resin

**part manipulation (2)**

- ➡ cleaning of part surface
- ➡ preheating of part not dispensed (infrared lamps)

**dispensing (3)**

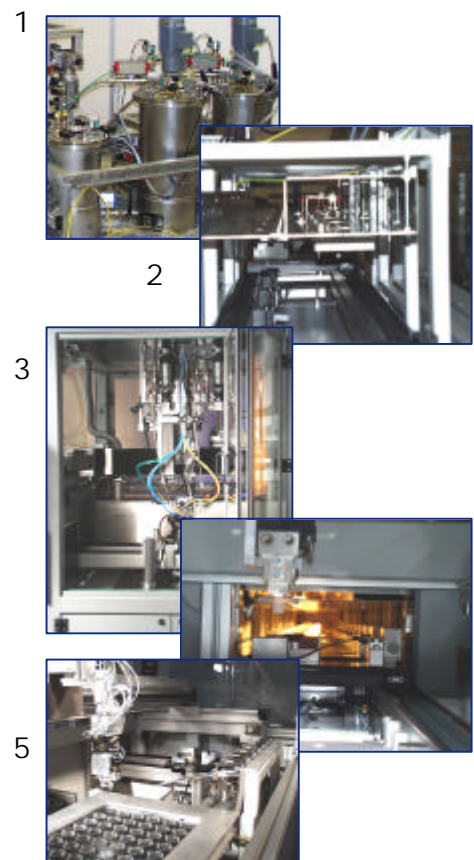
- ➡ dynamic mixing
- ➡ material transport with precise gear wheel pumps
- ➡ temperature control
- ➡ dispensing control
- ➡ repetitive accuracy check

**curing (4)**

- ➡ infrared light

**part manipulation (5)**

- ➡ surface cleaning
- ➡ protection cover mounting station
- ➡ pallet handling station



layout drawing

