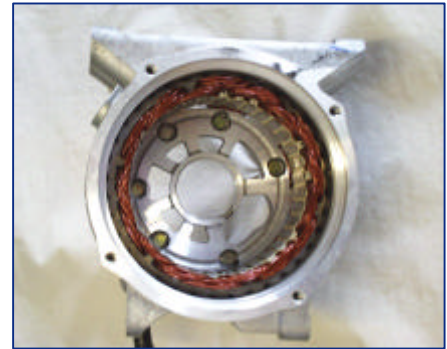


project sheet potting of variants of liquid-cooled alternators with a two component epoxy. The dispensing process is only part of a whole production line.

application field automotive

- properties
- ✓ cycle time 40 sec/ part
 - ✓ 3-shift operation
 - ✓ homogeneous resin distribution inside (ca. 500 g epoxy)
 - ✓ high abrasion filler (resin)
 - ✓ critical mixing ratio
 - ✓ preheating (great mass)
 - ✓ variant detection (bar code)
 - ✓ long curing time (special oven)
 - ✓ transport (special work piece pallets)
 - ✓ docking to further production units



construction

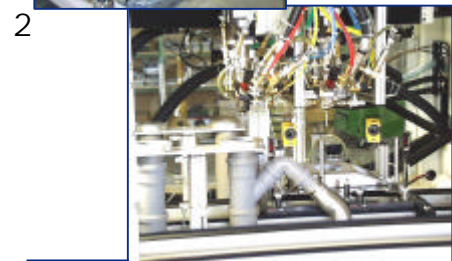
material conditioning (1)

- ➡ fully-automated material conditioning with pumping (degassing/ temperature-regulating/ material re-circulation)



dispensing process (2)

- ➡ parallel operation (twin head)
- ➡ variant detection with drive program linkage
- ➡ preheating (inductive)
- ➡ alternating two-position potting
- ➡ continuous temperature control



check stations

- ➡ hardness check (potting)
- ➡ conductimetry



cooling tunnel (3)

- ➡ fast part cooling from ca. 180 °C to ca. 40°C

layout drawing

