

### **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.

### **Properties**

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

## Construction

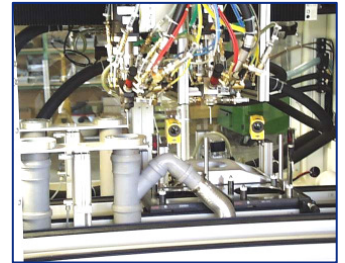
### 1. Material conditioning

- fully-automated material conditioning with pumping (degassing/ temperature-regulating/ material recirculation)



### 2. Dispensing process

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



### 3. Check stations

- hardness check (potting)
- conductimetry

### 4. Cooling tunnel

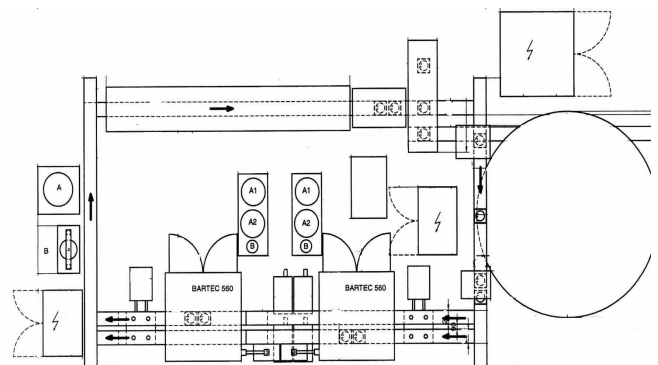
- fast part cooling from ca. 180°C to ca. 40°C



## Application field

- automotive

## Layout



## Contact



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