

Machines for heat staking

Heat stake with internal cooling for high process security

The BARTEC - heat staking technology guarantees you an efficient and highly accurate processing of your parts. Contrary to traditional methods the BARTEC joining process cools down the stake internally with air after deforming the boss. This results in the following benefits:

- ◆ Easy to maintain - minimum contamination at the nozzle
- ◆ Fast set-up
- ◆ Short cycle time
- ◆ Adjustable heat-up and cool-down times
- ◆ Suitable for fibre-reinforced thermoplastic materials

Manual workplace

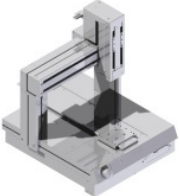

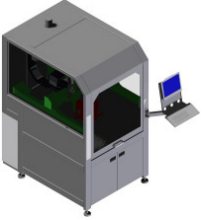
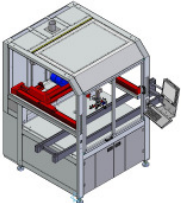
Production cell
(integratable)

Production line

Process & Service

Machine overview

Standard heat stake machines • Single or multi-head systems • Stationary or with 3-axis coordination system

Type	Applications	Picture	Characteristics
Table-top	<ul style="list-style-type: none"> - Lab machine - Flexible single part processing - Manual load/unload 		<ul style="list-style-type: none"> - Electric heated stake - Cooling from inside with compressed air - Z-movement of stake (option) - X-Y-Z movement (option)
B2000-H	<ul style="list-style-type: none"> - Pallet processing - Highly flexible single part processing - High part variation - Manual load/unload 		<ul style="list-style-type: none"> - 1 or ore stakes - Beckhoff-controller - Programmable temperature profiles
B5100-H/ B5200-H	<ul style="list-style-type: none"> - High production volumes - Fully-automatic part change - Extended process control - Connection to transport systems 		<ul style="list-style-type: none"> - Programmable temperature profiles - Prcoess control: depth measurement - Prcoess control: current measurement
B5600-H	<ul style="list-style-type: none"> - Extended working range - Multiple dispensing heads 		<ul style="list-style-type: none"> - 4-axis system X-YY-Z