



PRODUCT INFORMATION

BHS HOT STAMP®



- > Active dynamic temperature regulation
- > Continuous process control
- > Single-Step technology
- > Gentle to component
- > Suitable for all thermoplastics
- > Energy-efficient

Heat staking technology BHS Hot Stamp®

The bdtronic heat staking technology BHS Hot Stamp® is an economic joining technology for joining thermoplastics. A riveting head with a quick-change stamp, internal air cooling and high accurate temperature regulation allows stress-free heating up of the riveting pin to the suitable melting temperature and hence to a strong joint also on PCBs. Individual process control, a specifically developed coating and unique stamp design ensures a non-stick effect and low maintenance as well as repeatable production processes.

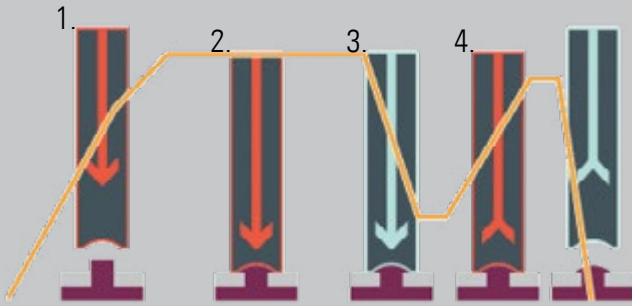
What does Single-Step technology mean?

Each process step like preheating, melting, forming, active cooling and peeling off are carried out with a BHS riveting head with integrated riveting stroke while continuously monitored. Thus, the process monitoring is ensured through all process steps and leaves a solid riveting joint.

BHS HOT STAMP®

HEAT STAKING SYSTEM

> BHS Hot Stamp®



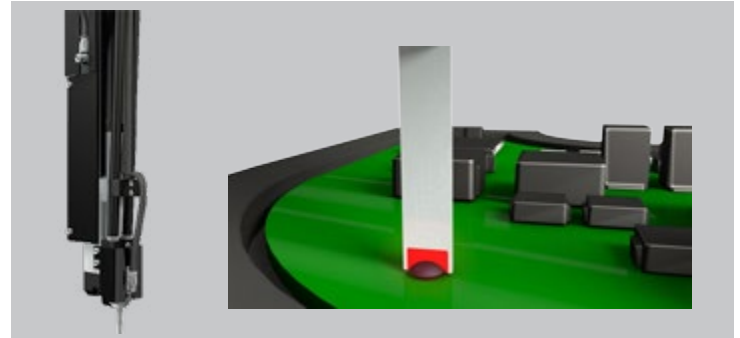
1. Heating of the riveting stamp
2. Placing the nozzle with pin height identification
Enamel formation and forming of pins in the control range
Monitoring of the yield and the end position
3. Cooling within seconds in the end position
4. String-free peeling off

CONTROL

- > High performance transformer
- > Integrated panel control
- > Easy-to-use touch interface
- > User management
- > Error management with clear text messages
- > Data logging of error messages
- > Process analysis
- > Unlimited program memory
- > On-screen process data
- > Maintenance function
- > Profibus/ Profinet optional
- > Temperature regulation in ms
- > Stamp management
- > Intuitive process programming
- > Process parameter handing over

RIVETING HEAD

- > Riveting head with quick-change-system
- > Integrated precise riveting stroke
- > Variable forming force
- > Maintenance friendly
- > Non-stick effect
- > Long shelf life of stamp due to special coating



PROCESS CONTROL/ PROCESS ANALYSIS

- > Position control over complete riveting stroke
- > Distance measurement or riveting movement
- > Temperature monitoring
- > Accuracy distance measurement +/- 0,1mm
- > End position monitoring
- > Pin height identification

SET POINTS

- > Forming force 20-120N
- > Working temperature range up to 350°C
- > Temperature deviation +/- 5°C

(Errors and changes reserved, as of August 2015)

- > Service hotline (German/English/French)
- > Response service MO - FR
- > Spare parts service
- > Service and maintenance
- > Process and component optimization in in-house development centers
- > Trials and development in well equipped technical centers
- > Training for machine user, machine setter and maintenance personnel
- > Seminars for machines user, machine setter and maintenance personnel

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DISPENSING
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HOT RIVETING
AUTOMATION