

PRODUCT INFORMATION

HOT RIVETING TECHNOLOGY

BHS HOT JET®



- > Active dynamic temperature regulation
- > Continuous process control
- > Single-Step technology
- > Highest stability
- > Suitable for all thermoplastics
- > Energy-efficient

Hot air riveting technology BHS Hot Jet®

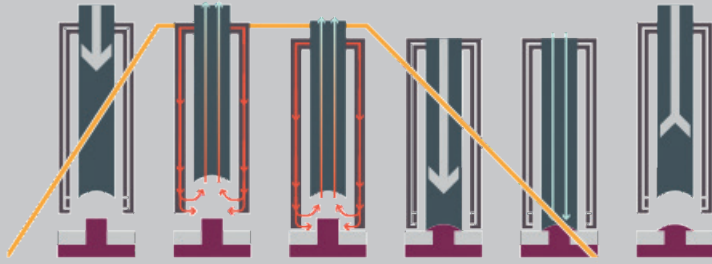
The bdtronic heat staking technology BHS Hot Jet® is an economic joining technology for joining thermoplastics. A riveting head with hot air nozzle, inside quick-change stamp, highly accurate temperature regulation allows homogeneous heating up of the riveting pin to the suitable forming temperature and hence to maximally strong joint. 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.

bdtronic 

DISPENSING
IMPREGNATION
PLASMA
HOT RIVETING
AUTOMATION

BHS HOT JET®

HEAT STAKING SYSTEM



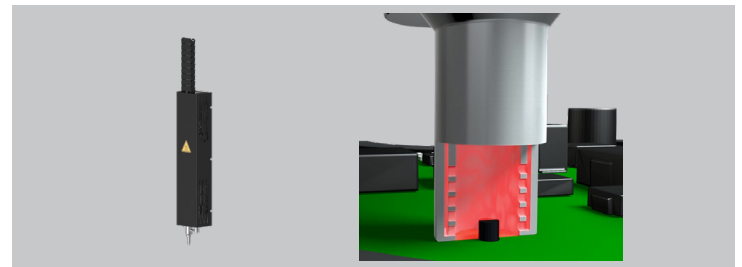
- > Controlled heating of the airflow
- > Placing the nozzle
- > Smooth heating-up of the complete riveting pin
- > Forming of the pins with inside stamp
- > Monitoring of the yield and the end position
- > Cooling within seconds in the end position
- > String-free peeling off

CONTROL

- > High performance hot air generator
- > 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

- > Heating tube for homogeneous heating around the pin through hot air
- > 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
- > Gas flow monitoring and regulation
- > Accuracy distance measurement +/- 0,1mm
- > End position monitoring

SET POINTS

- > Forming force 20-90N
- > Working temperature range up to 350°C
- > Temperature deviation +/-5°C
- > Gas flow rate hot air 30-100 nl/min

(Errors and changes reserved, as of February 2019)

- > 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

bdtronic GmbH
Ahornweg 4
97990 Weikersheim
Germany

T +49 7934 104 - 0
F +49 7934 104 - 372
sales@bdtronic.com
www.bdtronic.com

bdtronic 

DISPENSING
IMPREGNATION
PLASMA
HOT RIVETING
AUTOMATION