

PROCESS DESCRIPTION

Heating of the stake over its glass
transition temperature

 Deforming this stake by pressing with the stamp



Fully automatic process

TECHNICAL CHARACTERISTICS





Adjustable heat temperature : up to 350 °C

Adjustable air flow : 1 to 50 L/min

Management of flow and heating system on each nozzle

Adjustable stamp's strenght : up to 120 N

VISION SOLUTION

PRE-PROCESS CONTROL

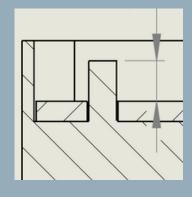


Presence of each component

Process approval :

- Checking for proper loading of components
- Dimensional check of the assembly

Reading of the product datamatrix

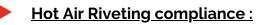






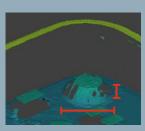
POST-PROCESS CONTROL

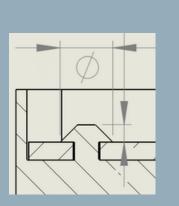
Environment integrity control : component damages, housing



- Dimensional check of each stake
- Appearance control of each stake
- Reading of the post-process datamatrix







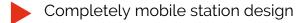


2D and 3D vision controls are subjected to feasibility and machine architecture tests



HAR VERSATILE MACHINE

BENEFITS



- Heating and stamping tools easily removables
- Safety light curtains protect the operator from the operating zone
- Versatile machine : Easy conversion from low to high volume production



Perfect to realize prototypes or tests



Process quality verification

PROCESS HARACTERISTICS

- Heating regulation and flow control independent by nozzle
- - Setting of the HAR pressure



- Measurement of the rivet height
- Possibility to increase the machine capacity by adding up to 12 stamps on the same system

TECHNICAL CHARACTERISTICS

- Dimensions: 1 x 1.4 x 2.4 m
 - Operating zone: 320 x 240 x 150 mm
 - Weight: 1.05 Ton
 - Power supply: 400V, 50Hz, three phases
 - Air supply : 6 bars



Other processes available :







Pressfit





OTHER SERVICES

ENGINEERING

- Machine adapted to your needs
 - Full process realised with some products, in presence or not of the client.
 - Fine tuning with experimentations results

Manufacturing of a pre-series : around a thousand parts to adjust quality process





COMMISSIONING AND TRAINING

- - Commissioning on your factory
 - Training (different levels)
 - Starting up of the equipment





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ASSISTANCE

Possibility to edit a maintenance contract



Remote maintenance access



Improvement of your equipment based on your feedback