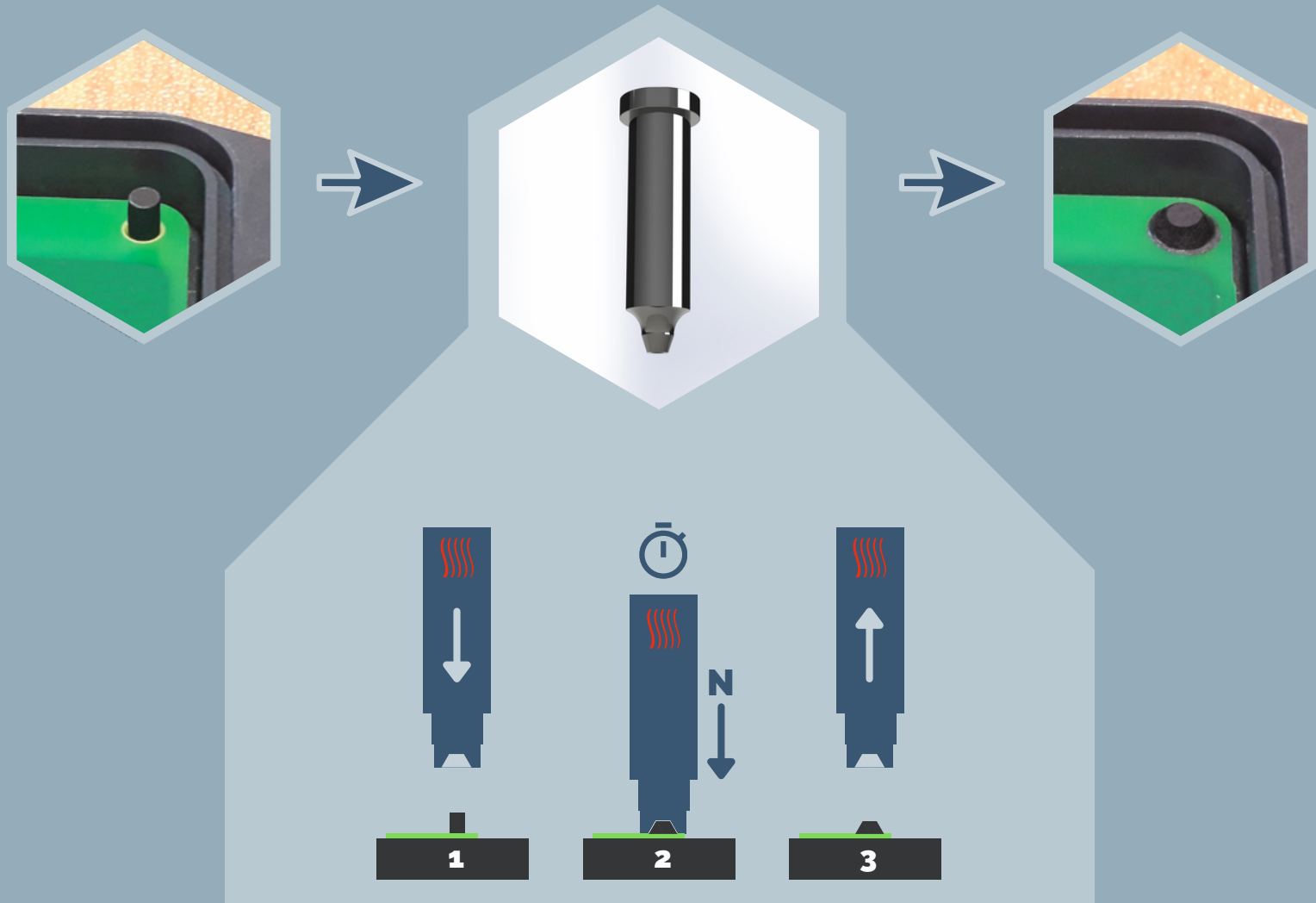




HEAT STAKING



PROCESS DESCRIPTION

- ▶ Heating of the stamp (controlled by the IHM)
- ▶ Deformation of the stake with the hot stamp
- ▶ Fully automatic process

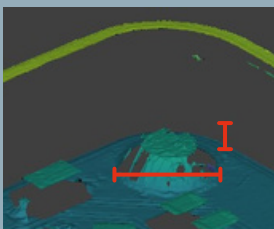
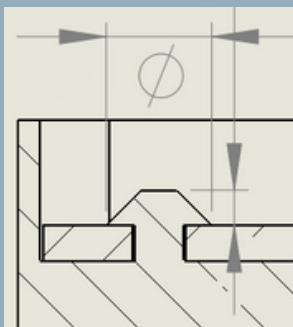
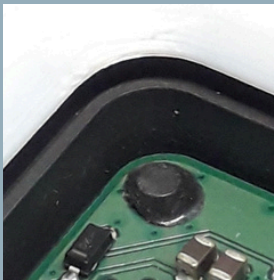
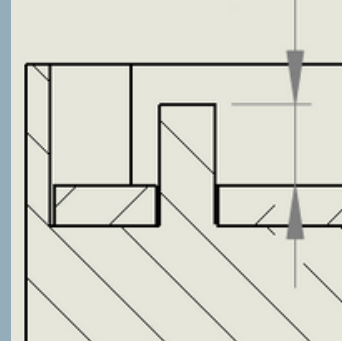
TECHNICAL CHARACTERISTICS

- ▶ **Cycle time** : 10-15 seconds
- ▶ **Adjustable heat temperature** : up to 300 °C
- ▶ **Stamp's strenght** : up to 20 daN
- ▶ Adjustable number of stakes

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
- ▶ **Heat Staking compliance :**
 - 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



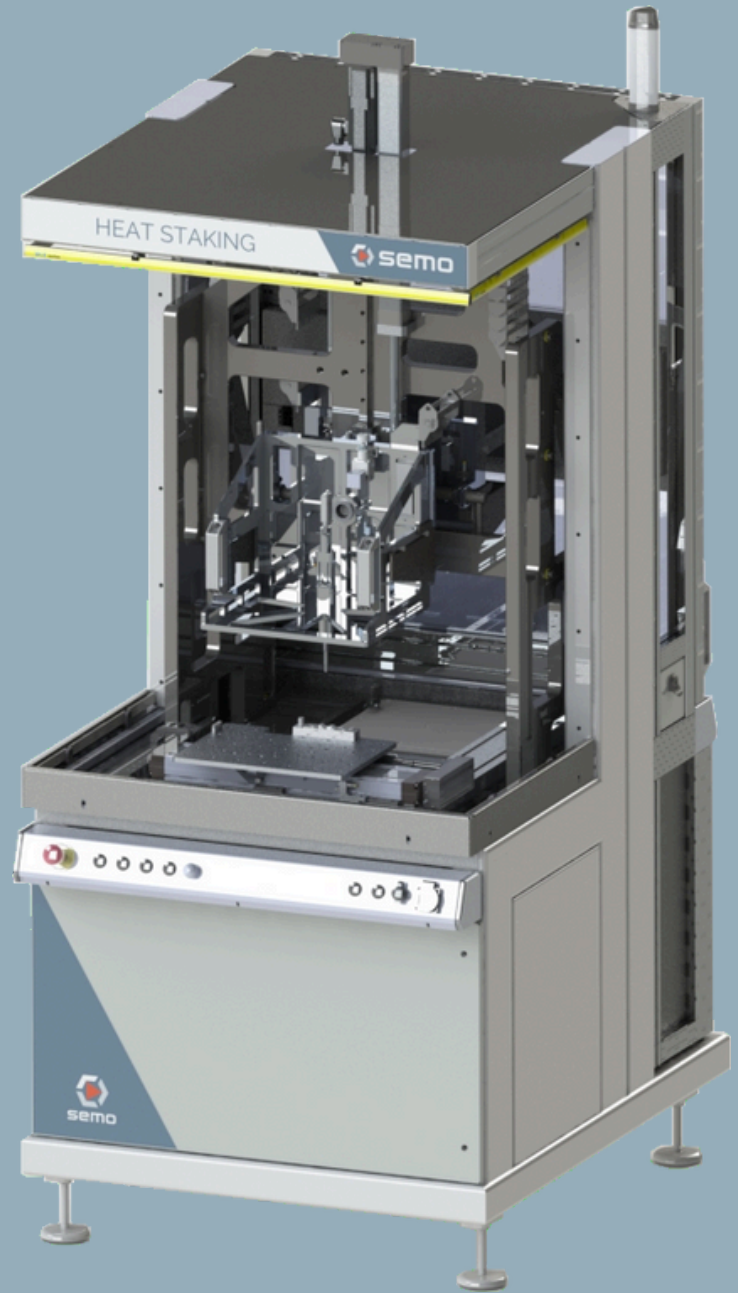
HEAT STAKING MACHINE

BENEFITS

- ▶ Completely mobile station design
- ▶ Stamping block easily removable
- ▶ Light curtains which stops the machine when crossed
- ▶ **Versatile machine** : Easy conversion from low to high volume production
- ▶ Perfect to realize prototypes or tests

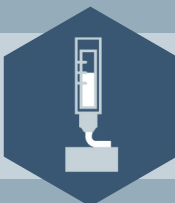
CHARACTERISTICS

- ▶ **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

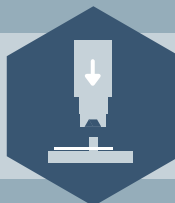


▶ Other processes available :

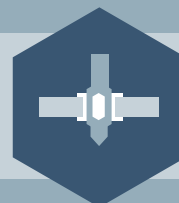
Dispensing
& Potting



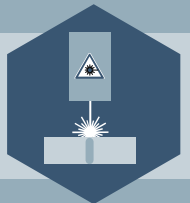
Hot air
riveting



Pressfit



Welding



OTHER SERVICES

ENGINEERING

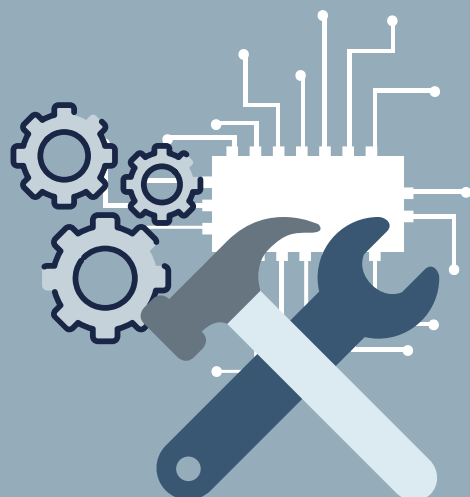
- ▶ Machine adapted to your needs
- ▶ Full process realised with some products, in presence or not of the client.
- ▶ Fine tuning with experimentations results

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



ASSISTANCE

- ▶ Possibility to edit a maintenance contract
- ▶ Remote maintenance access
- ▶ Improvement of your equipment based on your feedback



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