

"HT1250" Heat treatment system

With the "HT-1250" you can be sure that no foreign atoms are built into your products during the heating process and that the finest parts are reliably

Principle

The "HT-1250" is a high-vacuum heat treatment furnace of the latest generation, which can heat its annealing material (stents) in a high vacuum up to a temperature of 1250°C. This ensures that no oxidation occurs or that oxide is even reduced above a certain temperature. Furthermore, no foreign atoms are incorporated into the product during the annealing process, which could impair the material properties.

The vacuum is achieved by a high-vacuum turbo pump with which a final pressure of $<10E-5$ mbar is possible. The glanded pre-pump ensures that no back diffusion of lubricant occurs. Small grain sizes are achieved by the proven vacuum cooling process. The built-in ventilation valve allows the system to be vented quickly, even in conjunction with inert gas, which minimises process time. The number of annealed stents per run depends on the size, so approx. 400 16 mm long stents with a diameter of 1.8 mm can be processed in one run.



"HT1250" high-vacuum heat treatment furnace

Software

The freely programmable software controls and monitors the process for all important parameters. This allows different temperature profiles to be run one after the other.

Account management

In addition, the software has program administration, log book and user account control. Only the administrator can make significant changes or delete things, to avoid errors during use.

Batch traceability

The process can be saved and evaluated in a chart. The driven processes are stored in a "history file". In addition, changes, maintenance or other actions can be noted in the "log book". Data can be backed up using database software (not included). The software can be used to create and save a variety of process programs. A host connection is a possible option.

Guidelines

The completely closed housing, the lockable door and the depth of the cutting bushes virtually eliminate the risk of injury during the cutting process. In addition, the machines comply with current occupational safety regulations and CE guidelines.

Technical data

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| Material: | CoCr, NiTi, steel... |
| Process chamber: | Quartz tube |
| Chamber diameter: | usable diameter 35 mm; length 120 mm |
| Temperature: | process temperature up to 1250°C |
| Vacuum: | high vacuum pump <10E-5 mbar |
| Control: | via Windows PC with supplied software |
| Dimensions, without PC: | W/H/W: 2170 x 1230 x 710 mm. Weight: 170 kg |
| Housing: | according to clean room standards, stainless steel. |
| Connections: | 110-230 V/ 50-60 Hz/ 2 kW; USB port. |
| Scope of Supply: | VA-Housing, heater unit, Quartz tube and ship. Software, dongle, operation instructions in English. |
| Accessory: | gas flow, vacuum valve, automatic loading unit, PC Win 7/8 for programming. |
| Options: | Special sizes and customisation on customers request. |



Made in Germany

Technical specifications and illustrations are not binding. Subject to change without notice.