

CARES® Integrated Digital Solutions CARES® Therm & Argotherm



CARES® Argotherm

Shielding gas sinter furnace and flood chamber for Sintron®

The CoCr sintering furnace CARES® Argotherm is an integral part of a system with optimally coordinated components for processing the sinter metal Sintron®. Only the perfect adaptation of sinter metal, processing in the CAD/CAM system and completion in the sintering furnace ensure consistently high material quality – especially if it involves the mechanical properties and (micro-) structure of the finished restoration. Easy to operate at the press of a button, the Argotherm controls the sinter programme of the milled CoCr units.



YOUR BENEFITS:

- Sintering program developed specifically for Sintron®
- A validated system guarantees consistent high quality of the results
- Active cooling after the sintering process
- Minimal consumption of protective gas
- Sintering at the push of a button – extremely easy operation with touch screen technology
- Easy update option per USB interface for program updates and log files for monitoring firing

CARES® Therm

Fully automatic high performance furnace for final sintering of distortion-free zirconium oxide frameworks

By using the CARES® Therm high temperature furnace, zirconium oxide frameworks achieve their final density and the resulting outstanding material properties. For sintering, the objects are placed on sintering beads which guarantee a low friction sintering process and thus ensure distortion-free frameworks. The CARES® Therm offers a high level of process safety through its constant temperature control and homogeneous temperature distribution throughout the firing chamber. This gives the user the control and certainty whether the frameworks have reached their final density and thus their strength. 250 sintering program positions are available to the user, of which 3 are already pre-programmed with validated sinter programs.



YOUR BENEFITS:

- High process reliability due to constant temperature control, homogeneous temperature distribution in the firing chamber
- Maximum process reliability due to optimally coordinated, fully-automated sintering programmes for different restoration sizes
- 250 sintering program positions of which 3 are validated programs
- 3 stackable sintering bowls for maximum utilisation of the furnace
- Minimum required space and installation time (supply required)
- Sintering at the press of a button – very easy operation with touch-screen technology
- Clear display of the sinter curve and sinter status
- Easy update option per USB interface for program updates and log files for monitoring firing

TECHNICAL DATA CARES® ARGOTHERM

Item No	178740-STM
Dimensions (D x W x H) incl. maintenance unit	500x461x480 mm
Weight	32kg
Electrical connections	V/Hz 220-240/50-60
Max. Output	3.5 kW
Fuse (quick-acting)	12.5 A
Degree of protection	IP20
Thermal protection class according to DIN EN 60519-2	Class 0
Sound pressure level	< 80 dB(A)
Ambient conditions: <ul style="list-style-type: none">• Temperature• Humidity	+5° C - +40° C 80 %

TECHNICAL DATA CARES® THERM

Item No	178380-STM
Dimensions (D x W x H) incl. maintenance unit	500x461x480 mm
Weight	30kg
Electrical connections	V/Hz 220-240/50-60
Max. Output	3.5 kW
Max. temperature	1530° C
Fuse (quick-acting)	12.5 A
Degree of protection	IP20
Thermal protection class according to DIN EN 60519-2	Class 0
Ambient conditions: <ul style="list-style-type: none">• Temperature• Humidity• Maximum a elevation (standard elevation zero)	+5° C - +40° C 80 % 2000 m

International Headquarters

Institut Straumann AG
Peter Merian-Weg 12
CH-4002 Basel, Switzerland
Phone +41 (0)61 965 11 11
Fax +41 (0)61 965 11 01
www.straumann.com

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