



KERAMOS 1650 Dental Restorations Sintering Furnace

Zirconium Dioxide Sintering

Description

Keramos 1650 with maximum continuous operation temperature of 1650 °C was specially designed for Zirconium Dioxide (ZrO_2) restorative dentistry.

The furnace is heated through the super clean Kanthal HT Molybdenum Di-silicide elements. The ultrahigh purity of this elements in addition to the low bulk evaporation rate significantly reduce the risk of translucent Zirconia discoloration. Zirconia crowns unafraid treated inside the chamber without the need for covering.

The system programming is open and is suitable for various supplier materials. Windows architecture **KeraWorks** Software provide friendly and easy to use programming and monitoring environment.

Only Quality

- *Unlimited open programming options for conventional or speed sintering, predrying, fast cooling and other.*
- *Real time graphical presentation of executed program. Data file creation for all executed programs.*
- *Specially designed for unattended operation, can be programmed to start and finish a program overnight.*
- *In depended Temperature watchdog operation insures ultimate safety in cases of unattended operation.*
- *Battery uninterrupted power supply backup recovers program after short term power failure*
- *Large capacity heating chamber. Up to two sintering bawls (120 x 35mm) can stacked together.*
- *Small footprint and lightweight construction saves valuable laboratory space. Easily moved.*

- *Remote monitored through your home PC or mobile phone!*

Contact details:

Ath. Stagiriti 7- Pilea, Thessaloniki Greece, 54352
tel. 0030 2310 942346, fax. 0030 2310 942336
e-mail: info@thermansys.com

www.Thermansys.com

Information and data contained in this document was considered correct at the time of publication. Thermansys® is reserving the right to make modifications as a result of design improvements.

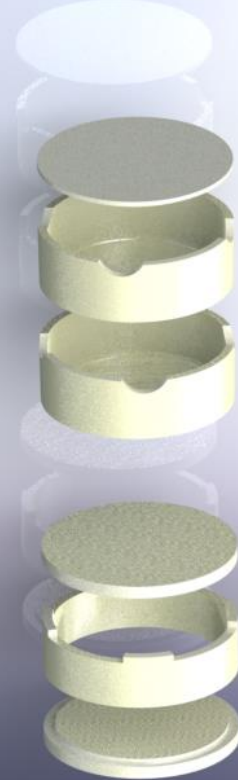
Zirconia Toughened Alumina (ZTA) Sintering Bowl

Conventional Speed Set

- *Provided with the standard package*
- *Withstand high thermal stresses*
- *Low cost*
- *Large capacity (up to 30 individual crowns)*

High Speed Set

- *Optionally available*
- *Withstand ultra-high thermal stresses*
- *Large capacity (up to 30 individual crowns)*



Specifications.

- Maximum Sintering Temperature: 1650 °C.
- Operating Power: 208 /240VAC – 50/60Hz.
- Maximum Power: 2200 W.
- Weight: 60 Kg.
- Resistors type: MoSi₂ Kanthal HT ultra clean, fully exposed.
- External dimensions: 400mm width, 490mm depth, 680mm height.
- Useful heated chamber dimensions: 120mm diameter, 100mm height.
- Two in depended R type embedded temperature probes for controller and over-temperature limiter feedback.
- Temperature control setting resolution 0.1 °C. Typical control fluctuation ±0.1 °C.
- Maximum Temperature heat up rate: 40 °C /min with two sintering bowl sets, 70 °C/min with single sintering bowl set.

Standard Package

- Keramos 1650 furnace body
- Windows10, 8'' Tablet PC with KeraWorks software, and mounting stand.
- ZTA Conventional Speed Sintering Bowl Set 120x35mm (one bowl with lid)
- YSZ sintering beads, 2.00 mm (200gr)

Part/No.....Keramos 1650_V1.2

Options

- ZTA Conventional Speed single Sintering Bowl
Part/No.....ZTA-SB-C-120
- ZTA Conventional Speed Sintering Bowl Set
Part/No.....ZTA-SS-C-120
- ZTA High Speed Sintering Bowl Set
Part/No.....ZTA-SS-S-120

- *Compliant with **Low Voltage Directive 2006/95/EC** (harmonized referenced standard EN 61010-1: 2001 and EN 61010-2-010:2003) and **EMC Directive 2004/108/EC** (harmonized referenced standard EN 61326-1:2006).*
- *Produced in **GREECE** following **ISO 9001:2008** quality management system and **ISO 14001:2004** environmental management system.*

 HELLENIC PRODUCT.

Contact details:

Ath. Stagiriti 7- Pilea, Thessaloniki Greece, 54352
tel. 0030 2310 942346, fax. 0030 2310 942336
e-mail: info@thermansys.com

www.Thermansys.com

Information and data contained in this document was considered correct at the time of publication. Thermansys® is reserving the right to make modifications as a result of design improvements.

© THERMANSYS® 2017