



KERAMOS M Dental Zirconia Sintering Furnace

Description

Keramos M series with maximum continuous operation temperature of 1650 °C is a furnace specially designed for Zirconium Dioxide (ZrO₂) Dental Restorations sintering.

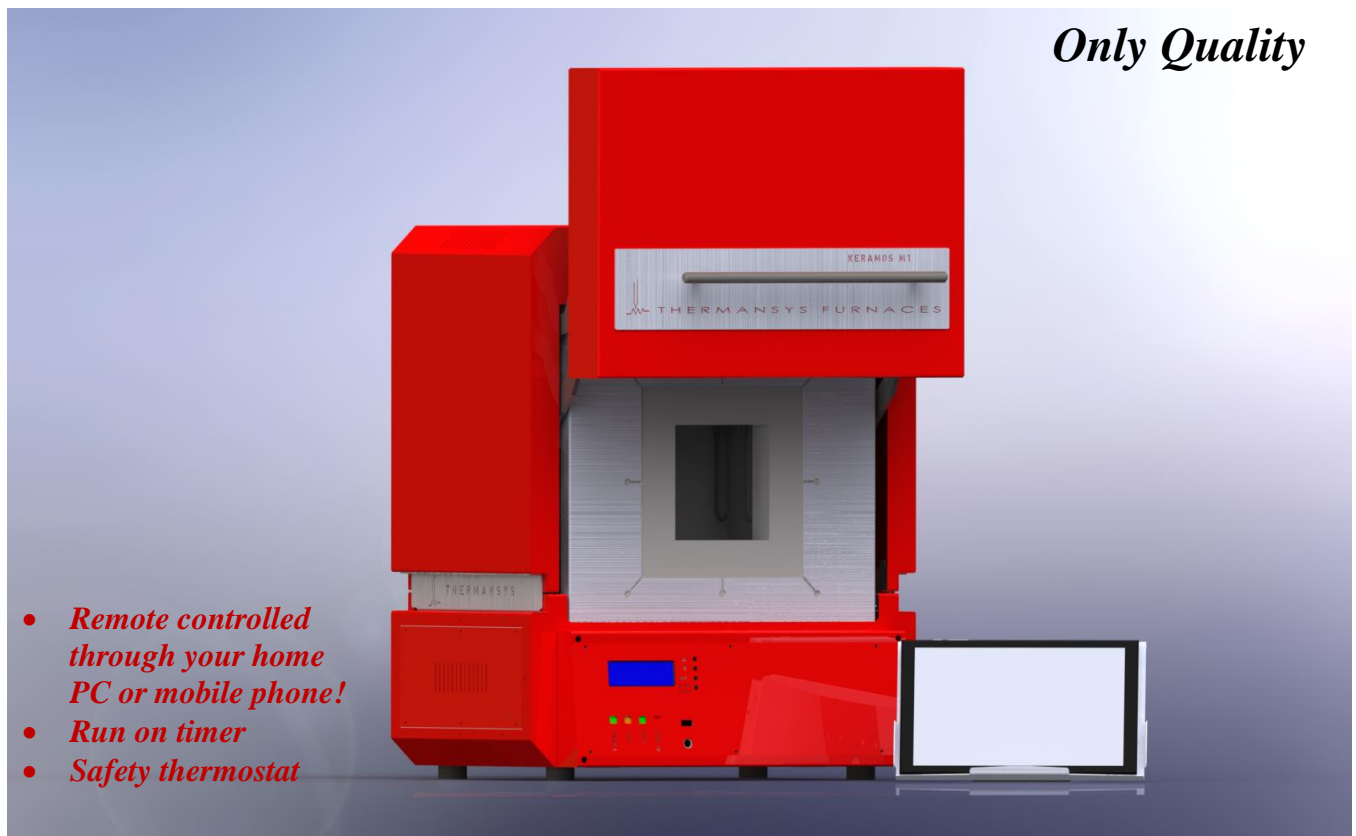
The furnace is a stand-alone device equipped with embedded controllers and electrical circuits to perform a Zirconia sintering program. Standard equipped with a Digital LCD display temperature controller providing 15 step programming with 1 program storage.

A Windows Tablet PC optionally delivered with the furnace running the specially designed **KeraWorks** Software, or any other computer, use as a human interface to the device. After programming and downloading the program to the furnace processor the computer could be disconnected and re-connected any time without interrupting the executed program.

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.

The furnace is heated through the Kanthal Molybdenum Di-silicide elements. The high purity of this elements in addition to the low bulk evaporation rate significantly reduce the risk of translucent Zirconia discoloration.

The furnace package includes a set of Zirconia Toughened Alumina Sintering Bowl and Lid.



Only Quality

- *Remote controlled through your home PC or mobile phone!*
- *Run on timer*
- *Safety thermostat*

 HELLENIC PRODUCT.

Contact details:

Ath. Stagiriti 7- Pilea, Thessaloniki Greece, 54352

tel. 0030 2310 942346, fax. 0030 2310 942336

e-mail: info@thermansys.com

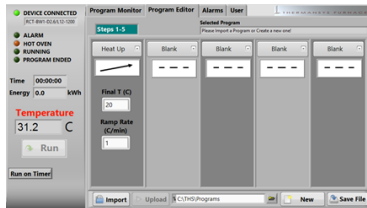
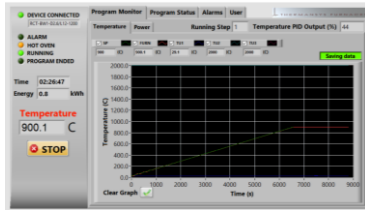
www.Thermansys.com

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® 2019

KeraWorks control and monitoring software.



- Programming with up to 15 Temperature programming steps. Graphical inspection.
- Storage and reload of unlimited number of distinct programs.
- Continuous monitoring of Temperature. Real time graphical presentation of executed program data.
- Data file creation for all executed programs. Saves all data on local memory.
- Real time actual Power (W) and totalized Energy (kWh) chart.
- Alarm and event message tab. Overheating Alarm, open Thermocouple Alarm, Heater Alarm.
- Programmable over temperature limiter monitor/configuration.
- Remote control through network connection.

- Power Safe, Uninterrupted Power Supply backup configuration. Recovers program after short term power failure.
- Unattended operation, can be programmed to start and finish a program overnight.

Specifications:

- Maximum/continuous temperature 1650 °C.
- Operating Power: 230 VAC – 50/60Hz. 115 VAC – 50/60Hz
- B type (PtRh/Rt) embedded thermocouple. Resolution 0.1 °C
- Temperature control accuracy ± 1 °C.
- Resistors type: Kanthal Super, MoSi2, fully exposed.

Optional features:

- 10.1in Windows Tablet PC running the specially designed **KeraWorks** Software.
Add suffix _TSC
- Programmable stand-alone over-temperature limiter (Watchdog) with manual reset in accordance with EN 60519-2 to protect the heater and load.
Add suffix _WD
- UPS (Uninterrupted Power Supply). Keep system alive for short periods of power failure and restore program after power recovery
Add suffix _UPS

Additional Sintering Bowl order

- ZTA Sintering Bowl Diameter 120mm
P/N: ZTA-SB-C-120
- ZTA Bowl Lid Diameter 120mm
P/N: ZTA-SL-C-120
- ZTA Sintering Bowl Diameter 100mm
P/N: ZTA-SB-C-100
- ZTA Bowl Lid Diameter 100mm
P/N: ZTA-SL-C-100

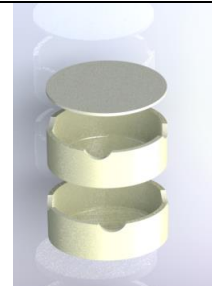


TABLE1. KERAMOS M series Models

Model Part Number	Heat up time (min)	Furnace int. dim. WxHxD mm	Nominal Heated Vol. (Liters)	Furnace ext. dim. WxH*xD mm	Standard package Sintering Bowl	Max Sintering Bowl Capacity	Max. Power Watt
KERAMOS M1	65	110x120x120	1	450x570x410	1xΦ100x30mm	2	1600
KERAMOS M3	75	130x180x130	3	470x630x430	1xΦ120x30mm	3	2000

* Plus 100 mm for chimney. When Door is open add 180mm.

CE Certified. 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)

 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® 2019