

# shenp<sup>z</sup>

## SiNTRA | SiNTRA PLUS

The ultimate purity in Sintering for ZrO<sub>2</sub>



High  
precision  
firing



Active  
cooling



1600°C  
(3002°F)



Automatic  
Degassing



Full  
Recovery



10-Steps  
Programing



Fast  
Cycle\*

The ShenPaz sintering furnace, SINTRA, is a totally programmable furnace and fully adaptable to all Zirconium Oxide materials on the market today.

Ever so ready for the rapid evolution of materials, the SINTRA is enhanced with two unique features:

- Degassing feature keeps the muffle clean of impurities from sintering Zr colors and enhances the translucency
- Active cooling, an extra slow cooling parameter with a negative temperature ramp as specified by specific material manufacturers

**Features and Benefits**

- Intuitive full color digital display
- Simultaneous sintering of up to 80 restorations
- 200 customizable sintering programs
- Two sintering trays
- USB port
- Acoustic signals alert furnace statuses from a distance
- 1-year warranty



**High precision firing**



**Active cooling**



**1600°C (3002°F)**



**Automatic Degassing**



**Full Recovery**



**10-Steps Programming**



**Fast Cycle**  
\* Exclusive to SINTRA PLUS



With the importance of space in the dental laboratory in mind, SINTRA was designed with the firing unit and power unit built in-one. The firing chamber is lined with superior insulating material and the chamber opening is sealed by a smooth moving mechanical lift.

**FAST CYCLE**



Exclusive to the SINTRA PLUS. Fast cycle for maximum efficiency in minimum time. The SINTRA PLUS has available 50 additional programs for fast sintering of ZrO<sub>2</sub>.

**BUILT IN PROGRAMS**

Proven capability of Built in program for major Zirconium Manufacturer with.

**10-STEP FULLY PROGRAMMABLE**

All the parameters even the preprogrammed cycles can be modified, adapted and changed according to the existing or future ZR materials such as different temperatures, different delays and different ramp.

**DEGASSING**

The degassing phase option is performed at a temperature up to 250°C /483°F to expel impurities from the firing chamber. The degassing phase is achieved by an automatic setting of the lift movement. The degassing process is important in extending the life cycle of the muffle and to assure high repeatability of the sintering process.

**TECHNICAL SPECIFICATIONS**

	SINTRA	SINTRA Plus
Max. temperature	1800°C	1800°C
Max. Sintering temperature	1600°C	1600°C
Number of programs	200	250
Temperature ramp*	1 to 70°C	1 to 70°C
Programmable steps	1 to 10	1 to 10
Acoustic signal	✓	✓
Weight (kg)	60 Kg	60 Kg
Width x Height x Depth (cm)	37 X 75 X 43	37 X 75 X 43
USB port connection	✓	✓
Max. power consumption	1.5 kW	1.5 kW
Cylindrical Firing chamber	Ø 95mm X 140mm	Ø 95mm X 140mm
<b>Power supply availability:</b>		
100v 50/60Hz, 15amp	✓	✓
115v 50/60Hz, 15 amp	✓	✓
230v 50/60Hz, 8 amp	✓	✓
1-year warranty	✓	✓

\* Depending on the temperature in the sintering chamber

With over 25 years of experience in the dental industry, ShenPaz is committed to continuously provide state-of-the-art products.

Safety information	SINTRA and SINTRA Plus complies to the following standards: IEC 61010-1-2001 EN 61010-1-2001 ANSI/UL 61010-1-2008 CAN/CSA-C22.2 No. 61010-1-2004 IEC 61010-2-010-2003 CAN/CSA-C22.2 No. 61010-2010-2004
Radio protection / electromagnetic compatibility	EMC tested



4006694

Conforms to UL Std. 61010-1 Certified  
CAN/CSA Std. 61010-1

To find an authorized dealer in your area,  
e-mail us at: [info@shenpaz.com](mailto:info@shenpaz.com) or send a fax to +972 4 6042040

**shenpaz**  
**electr<sup>o</sup>therm group**

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### SCOPE OF DELIVERY:

- 1 furnace unit
- 1 control connecting power cable
- 1 firing tray
- 2 sintering crucible
- 1 sintering crucible top
- 1 operating manual
- 1 lift key
- 100 grams sintering beads



**GEMINI<sup>LT</sup> Plus**



**FOCUS**



**SP23**



**HORINON**