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Mini dental furnace CY-M1100-025IC-MINI

This mini dental oven CY-M1100-025IC-MINI is small and beautiful, ideal for dental glazing and crown coloring. The furnace is light in weight and fast in temperature control, and the temperature control is accurate and reliable. The overall use of sliding door design, with automatic opening of the door, buzzer alarm and other practical functions, although small in size, but the function is available, in addition to the fast operation, you can also set the temperature program. In addition to dental sintering, this product can also be used for non-atmospheric sintering of laboratory micro-samples.

Application of mini dental furnace:

Dental glazing, crown coloring, unprotected gas sintering of small batch samples

Technical parameter of mini dental furnace:

Model	CY-M1100-025IC-MINI
Chamber mode	Open
Chamber size	60mm*60mm*70mm
Chamber volume	0.25L
Chamber material	Imported alumina fiber
Platform size	50mm*50mm
Operating mode	LED display + knob operation
Working temperature	0～1150°C
Heating rate	25~120°C/min
Heating temperature zone	Single
Temperature control accuracy	±1°C
Temperature control mode	PID temperature control
Heating method	four-sided heating
Temperature test element	K type thermocouple
Power supply	AC220V 50/60Hz

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Microwave Shielding system	Microwave Shield and alarm	Portable microwave leak detector,online alar m
	Microwave leak rate	<0.5mW/cm2
Cooling System	High Precision water chiller	Flow rate>=2m3/h,pressure0.08-0.2MPa
Outside Dimension	Main machine	900x850x800mm(LxWxH)
	Cabinet	
	Occupied Area	1m2
Warranty	One year limited warranty with life time support. (Consumable parts such as sample plates and heating elements are not covered by the warranty, please order the replacement at related products.) ATTENTION: Any damages caused by the use of corrosive and acidic gases are not under the coverage of Our I One Year Limited Warranty.	

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Box type zirconia sintering furnace

This box type zirconia sintering furnace is mainly used for the crystallization of zirconia crowns in denture processing plants. The box furnace technology is mature and stable, and it is one of the most cost-effective box furnaces.

The zirconia sintering furnace adopts a 1800℃ pure heating rod, which does not cause secondary pollution to the dental crown; the furnace adopts double-sided heating and is equipped with special exhaust port, which is beneficial to flue gas emission and can effectively prevent dental crown pollution. The double-layer liner structure is energy-saving and environmentally friendly. The intelligent temperature control can store dozens of heating curves, and the temperature control is precise and fast. All operations can be completed on the touch screen, which greatly improves your production efficiency.

Model	CY-M1700-12IT
Chamber structure	Open-type
Chamber size	120mm×120mm×130mm
Chamber volume	1.9L
Chamber material	Imported alumina fiber
Operating mode	HD full color LCD touch screen
Working temperature	0～1650℃
Heating rate	≤30℃/min
Heating zone	Single heating zone
Temperature accuracy	±1℃
Temperature control	50 Steps programmable and PID automatic control
Heating method	Double-sided heating
Temperature measuring element	B-type thermal couple
Power supply	AC: 220V 50/60Hz

Product application: sintering of zirconia dental crown

Box type zirconia sintering furnace technical parameters:

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Dental CoCr Soft Alloy Sintering Furnace with gas controller-CY-1400-CoCr

This CoCr metal sintering furnace is special designed for CoCr blank's lab sintering. This sintering furnace system is composed by a special designed crucible, and gas insert system with a special design sintering chamber. All of the sintering curve is controlled by PID programmable.

Features

1.PID Control, 30 steps programmable curve can pre-store
2.LCD touch panel controller, easy for operate
3.Double layer structure, keep furnace in low temperature
4.Large chamber dimension, allows user sintering two pieces' blank.
5.Ultra silent screw rod elevator, lift up/down no noise
6.New software control, compared with other supplier,
sintering time can reduce two hours, to achieve real fast sintering

Display	7" LCD Touch Panel
Sintering temperature	1350℃
Heating element	SiC heating rod
Temperature accuracy	+/- 1℃
Heating space	Φ 140* 200mm
Heating rate	30 ℃/min
Thermal couple	S type sensor
Temperature control	PID automatic control with 30 steps programmable
Sealing method	lifting tray
Inlet/Outlet gas	Two way
Over temper alarm	yes
Over current alarm	yes
Working voltage	AC 220V, 50Hz

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1700℃ Dental Zirconia Sintering Muffle Furnace CY-1700-2L

Features

1. LCD touch screen with PID Programmable control
2. CE certified, quality warranty
3. High quality alumina fiber, good heat preservation effect
4. 30 steps Programmable and SCR accuracy temperature control
5. Clear heating element, no color greening changing
6. Low power, energy conservation and environmental protection

Model	CY-M1700-2L
Chamber model	Swing Door
Display	7” LCD Touch Panel
Limiting temperature	1650℃
Working temperature	≤1650℃
Heating rate	Suggestion 0~20℃/min
Temperature accuracy	±1℃
Inside chamber size	120*120*130(mm)
Heating element	High purity MoSi2 heating rods
Thermal couple	B Type
Temperature control	PID automatic control via SCR power control
Heating curves	30 steps programmable
Chamber material	Alumina Fiber
Protective	Built-in over-temperature alarm and thermocouple failure alarm
Rated power	2KW
Working voltage	AC 220V, 50-60Hz

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Dental Zirconia Sintering Microwave Furnace / ceramics microwave sintering furnace- CY-F1700-2IT

Introduction

CY-F1700-2IT dental zirconia sintering microwave furnace / ceramics microwave sintering furnace. It is used for reduction,calcining,combining and sintering of Metal carbide, nitride, oxide material; ro asting battery materials; calcined catalytic material; sintering various ceramics; rare earth fluoresce nt materials synthesis and sintering; sintering magnetic materials; powder metallurgy and hard sint ered alloy.

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Features

1. Zirconia rapid sintering process only takes 210 minutes;
2. Stepless, high stability and long life, continuous wave industrial microwave source, ensure that the equipment can be running continuously and stably;
3. Precision infrared thermometer can directly measure sample temperature;
4. Equipped with an embedded microcomputer control system, three operation modes,manual,auto matic, thermostatic,can be free to switch;
5. Set resistant exhaust port can quickly exhaust gas emissions during heating process; 6.Safe and reliable microwave shielding cavity design, multiple anti-leakprotection.
6. Safe and reliable microwave shielding cavity design, multiple anti-leakprotection.

Technical Parameter

Model	CY-F1700-2IT	Microwave zirconia sintering furnace
Power supply	Voltage	220V 50Hz
	Rated power	1.5KW
Microwave system	Microwave output power(KW)	0.2-1.40KW continuously variable
	Microwave frequency	2.45GHz±25MHz
Heat-preservation System	Limit Temperature	1600℃
	Working Temperature	1550℃
	Loading Space	125x125x100mm(LxWxH)
Temperature Control	Temperature measuring way	infrared thermometer or thermocouple
	Measurement range	300-1800℃or 0-1600℃
	Temperature accuracy	±0.1%
Control System	PLC	40 segments process parameters, with data s torage, export experimental data; manual, automatic and constant temperature control mode
		Microwave shielding device

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The functions of Dental Porcelain Furnace Press

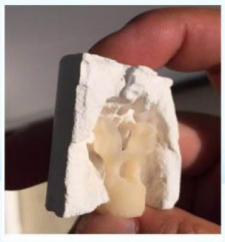
1) High quality of the function of temperature adjustment automatically, ensure the actually temperature error within ±1℃
2) Easy to operate, compact size, the smallest size in the world at present
3) Precision stepper motor drive, the smooth and jitter-free functioning, noise-free, speed programmable
4) Spiral quartz chamber of furnace
5) Temperature adjustment automatically before every firing procedure
6) True color touch screen, the operation is simple and convenient
7) USB port can easily connect to the computer service program
8) Built in 99 program
9) Optical status display

Specifications Operation:

1) The velocity of temperature increasing: 200℃/min max(392F/min)
2) The max temperature: 1200℃ max（2283 F）
3) The time which can be kept at the max temperature: 2H
4) Vacuum level: 1-101% Electric Power
1) Operation range: 100-120V, 50/60Hz 230V, 50/60Hz
2) Electric current: 14.5A@110V 7.0A@230V
3) Power: max 1500W Typical

specification

1) Size: width 270mm, depth 360mm, height 700mm
2) Usable measure(firing chamber): 9cm
3) Net weight: 23kg
4) Weight: 26.5kg Ambient



conditions

1) Indoor use
2) Ambient temperature: 2~40℃
3) Relative humidity: ＜80%
4) Rated voltage fluctuations must not exceed plus/minus 10% of the rated voltage

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Microwave Muffle Furnace-CY-C1500

Model No.	CY-C1500
Working Voltage	AC 220V 50Hz, single phase
Microwave Frequency	2.45GHz±50MHz
Main Power	8.5Kw
Microwave output power	4Kw, adjustable
Heating method	Microwave, Electrical, or Microwave&Electrical
Microwave leakage	≤ 0.4mW/cm^2
Maximum Temperature	≤1600℃
Long term Working Temperature	≤1500℃
Temperature measured sensor	Microwave measuring special sensors
Temperature accuracy	±2℃
Resonant cavity Dimension	400*400*550mm
Heating chamber dimension	Φ180*130 ;Φ120*100 ;Φ100*100 optional
Heating rate	(RT ~ 1000) ℃/min, adjustable
Temperature control system	PLC, Touch Panel, can connect with computer
Resonant cavity cooling method	Air cooling
Magnetron tube cooling method	Air cooling
Outer dimension	1000*720*800mm

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Multi-function sintering furnace

The multi-function sintering furnace is mainly used for the sintering of zirconia dental crowns and soft metal dental crowns. It can combine the sintering of two materials in one furnace, and effectively improve the customer's working efficiency and save the customer's production cost.

Multi-function sintering furnace adopts 1800℃ pure heating element and is heated on four sides. The furnace is equipped with a dedicated exhaust vent, which uses flue gas emissions to prevent crown pollution. The shape of the furnace is simple and the workmanship is fine. The double-layered liner structure is scientific and reasonable, energy-saving and environmentally friendly.
It has been used by many denture processing factories at home and abroad and has received unanimous praise.

Scope of application:
zirconia dental crown sintering and soft metal dental crown sintering.

Multi-function sintering furnace technical parameters

Model	CY-B1700X
Chamber structure	Lifting type, lift mechanism mute processing
Chamber size	Φ120×120mm
Chamber volume	1.4L
Chamber material	Imported alumina fiber
Operating mode	HD full color LCD touch screen
Working temperature	0～1650℃
Heating rate	≤30℃/min
Heating zone	Single heating zone
Temperature accuracy	±1℃
Temperature control	50 Steps programmable and PID automatic control
Heating method	Four-sided heating
Temperature measuring element	B-type thermal couple
Gas	Pure air and inert gas, program automatically controls switching
Gas interface	1/4" ferrule connector (Ø8 pagoda-shape connector)
Power supply	AC: 220V 50/60Hz

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PID Programmable Control Dental Porcelain Furnace upto 1200℃ CY-1200P

Application

- For all materials in dental ceramic restorations
- For vacuum and atmospheric firings
- For furnace soldering of ceramic work
- For pressing all press ceramics available in the market

Features

1.Lifting type with ultra-silent elevator, very low noise
2.High temperature chamber material, resistance high temperature 12
3.99 Programmable and PID automatic control
4.7" Touch panel operating interface
5.Round heating zone, more uniform temperature field
6.Multi-function: can used for glazing and porcelain glazing furnace
7.Vacuum degree can up to -97Kpa
8.Super power interference, with the function of tempering temperature and temperature compensation; Simple operation, low noise, used for factory and hospitals.

Model No.	CY-1200P
Display	LCD touch controller
Limiting temperature	1200℃
Working temperature	≤1100℃
Heating rate	0-200℃/min
Temperature zone	100*100*90mm
Temperature accuracy	± 1℃
Thermal couple	K TYPE
Heating element	Alloy
Temperature control	99 steps programmable PID control
Chamber material	Alumina fiber
Working power	1500w
Working voltage	AC 220V
Dimension	260*300*420mm

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Dental porcelain furnace

This dental porcelain furnace is mainly used for the processing of dental porcelain powder.
The furnace is heated on all sides, which is more uniform than the traditional muffle furnace and crystallization furnace in temperature field. The dental crown of the fired crown has better consistency.

Dental porcelain furnace is heated on all sides, which is more uniform than the traditional muffle furnace and crystallization furnace in temperature field. The dental crown of the fired crown has better consistency. The heating element adopts the imported alloy resistance wire, and the working chamber is pure and pollution-free; the operation adopts true color touch screen, and the operation is simple and intuitive, which can effectively improve the production efficiency.
This dental porcelain furnace is the ideal equipment for denture processing plants.

Scope of application:
Dental porcelain powder processing.

Dental porcelain furnace technical parameters:

Model	CY-1200P
Chamber structure	Lifting type, lift mechanism mute processing
Chamber size	Φ100×90mm
Chamber volume	0.7L
Chamber material	Imported alumina fiber
Operating mode	HD full color LCD touch screen
Working temperature	0～1100℃
Heating rate	≤40℃/min
Heating zone	Single heating zone
Temperature accuracy	±1℃
Temperature control	50 Steps programmable and PID automatic control
Heating method	Four-sided heating
Temperature measuring element	B-type thermal couple
Power supply	AC: 220V 50/60Hz

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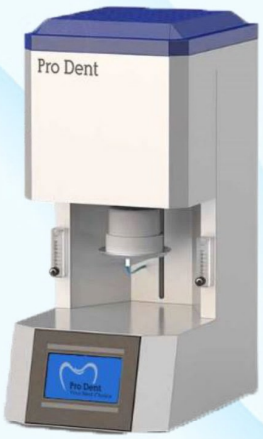
Soft metal sintering furnace



The soft metal sintering furnace provides precise high-temperature sintering process for cobalt-chromium alloy dentures. The intelligent temperature control system can store multiple sintering curves, the main control chip can intelligently control the gas inlet and change. Cobalt-chromium alloy, commonly known as soft metal, is widely used in the medical field because of its excellent biocompatibility and non-toxicity. However, because the forming and sintering process of cobalt-chromium alloy is a major difficulty in processing, this greatly restricts the promotion of this alloy material in the denture industry and restricts the development of the industry. After two and a half years of technical research, our company successfully developed the first “cobalt-chromium alloy dental sintering furnace” that can be used in production. The soft metal sintering furnace provides precise high-temperature sintering process for cobalt-chromium alloy dentures. The intelligent temperature control system can store multiple sintering curves, the main control chip can intelligently control the gas inlet and change; all operations can be done on the touch screen, the operation is simple and intuitive. Our soft metal sintering furnace will be your best choice for the production of cobalt-chromium dentures.

Scope of application:
soft metal (cobalt chrome) dental crown sintering Soft metal sintering furnace technical parameters:

Model	CY-A1400-ZQ
Chamber structure	Lifting type, lift mechanism mute processing
Chamber size	φ100×150mm
Chamber volume	1.2L
Chamber material	Imported alumina fiber
Operating mode	HD full color LCD touch screen
Working temperature	0～1400℃
Heating rate	≤60℃/min
Heating zone	Single heating zone
Temperature accuracy	±1℃
Temperature control	30 Steps programmable and PID automatic control
Temperature measuring element	S-type thermal couple
Gas	Pure air and inert gas, program automatically controls switching
Gas interface	1/4" ferrule connector (Ø8 pagoda-shape connector)
Power supply	AC: 220V 50/60Hz

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Dental Zirconia Sintering Furnace

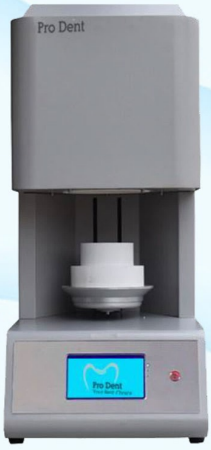
Featrues

1.Automatic Lifting up and down

2.High temperature chamber material, resistance high temperature 1700 ℃

3.Programmable controlled,after sinter, the tray will automatic come down to reduce whole heating time

4.7" Larger Touch panel with PC interface



Technical parmaters

Model	CY-B1700X
Limiting temperature	1700℃
Controller	7" LCD touch Panel
Working temperature	≤1650℃
Heating rate	Suggestion 0~20℃/min
Temperature zone	Single
Temperature accuracy	±1℃
Chamber size	Φ120*120mm
Heating element	1800 MoSi2 rod
Thermal couple	B Type
Temperature control	PID automatic control via SCR power control
Heating curves	30 steps programmable
Sealing type	bottom type door
Over temperature alarm	yes
Overcurrent protection	yes
Working voltage	220V 50-60Hz

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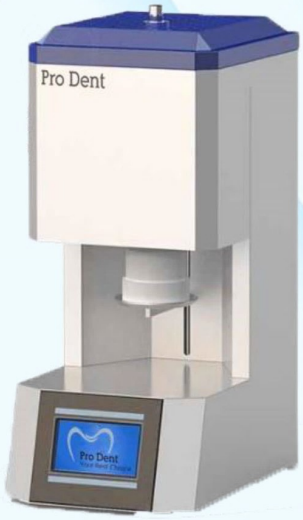
Zirconia sintering furnace

This zirconia sintering furnace is mainly used for the sintering and crystallization of zirconia crowns in denture processing plants. All operations can be completed on the touch screen, which greatly improves your production efficiency.

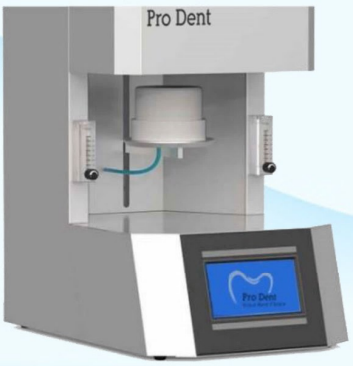


The zirconia sintering furnace adopts the 1800℃ pure heating rod, which does not cause secondary pollution to the dental crown; the furnace adopts four-sided heating, which is more uniform than the traditional muffle furnace and crystallization furnace. The dental crown of the fired crown has better consistency. The double-layer liner structure is energy-saving and environmentally friendly. The intelligent temperature control can store dozens of heating curves, and the temperature control is precise and fast. The lifting furnace is convenient for loading raw materials and removing finished products.

Product application: sintering of zirconia dental crown

Zirconia sintering furnace technical parameters:

Model	CY-B1700-12IT
Chamber structure	Lifting type, lift mechanism mute processing
Chamber size	φ120x120mm
Chamber volume	1.4L
Chamber material	Imported alumina fiber
Operating mode	HD full color LCD touch screen
Working temperature	0～1650℃
Heating rate	≤30℃/min
Heating zone	Single heating zone
Temperature accuracy	±1℃
Temperature control	50 Steps programmable and PID automatic control
Heating method	Four-sided heating
Temperature measuring element	B-type thermal couple
Power supply	AC: 220V 50/60Hz



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