



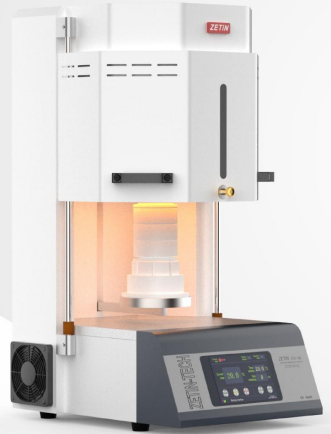
ZETIN

Fast Sintering Furnace

ZTCF-30B Plus

Technical Parameters

Fast Sintering Time	65 mins (including heating, keep warm, cooling)
Regular Sintering	Can stack 3 layers of the crucible and sintering 150 units teeth;
Max.Temperature	1730°C
Temperature Accuracy	±1°C
HeatingElement	High purity heater specially for dentistry
Touch Screen	7 "TFT Color
Chamber Size	Ø110mm×120mm
Power	3KW
Voltage	220V 50/60HZ 110V 50/60HZ
Total Program No.	40 programs, with power off memory function
Size	590×470×850 mm(L×W×H)
Net Weight	85KG



Features

Double Efficiency

Fast sintering ,65 minutes including (heating, holding, and cooling), resolve expedited projects.

Max 150 units

Can sinter 3 layers of crucibles up to 150 units, improving production efficiency.

High-Quality Sintering

High-purity dental silicon-molybdenum rods ,no pollution, uniform temperature, avoiding under-firing, no inaccurate color.

Precision Temperature Control

PID Intelligent temperature control system, achieves a temperature control accuracy of ±1°C to enhance product quality.

Program Preset Function

It can store 40 programs, enabling one-click selection of preset programs, fast and efficient.

Energy-Saving

Using imported insulation materials, energy-efficient and pollution-free, with excellent heat retention to ensure uniform temperature distribution.

High-Definition Touch Screen

Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simple and easy to use.

Memory Function

Resilient to sudden power outages, it can resume work from saved data after restart, ensuring uninterrupted operation.



ZETIN

Smart Porcelain Furnace

ZTCF-20B Pro



Technical Parameters

Max.Temperature	1300°C
Max.Vacuum	-98kpa
Heating Rate	≤140°C/min
Temperature Accuracy	Within ±1°C
Chamber Size	∅100m*70 mm
Power	1600W
Voltage	220V 50/60HZ
Total Program No.	100 programs (Can extend to 500 programs)
Size	460×220×300mm(L×W×H)
Net Weight	18 KG



Features

Small Size & Exquisite	Lifting chamber design reduces the size and make the body compact, exquisite and beautiful.
Glass Ceramics Available	Multi stage heating design, capable of sintering glass ceramics.
High-Quality and Efficiency	Imported heating wire, uniform heating, long service life, and pollution-free, avoiding under-firing, no inaccurate color.
Program Preset Function	The machine is equipped with Ivoclar, Vita, and Noritake powder programs, which users can directly choose according to their needs.
Precision Temperature Control	PID Intelligent temperature control system, achieves a temperature control accuracy of ±1°C to enhance product quality.
Accurate Sense	Imported sensor, precise vacuum measurement.
High Quality Accessories	Ultra long service life oil-free vacuum pump, high vacuum,maintenance free, and low noise.
High-Definition Touch Screen	Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simple and easy to use.
Core Protection	Unique vacuum pipeline filtration design ensures the life span of relevant components.
Energy-Saving	New environmentally friendly insulation materials with good insulation performance ensure stable furnace temperature.



ZETIN

Chairside Fast Zirconia Sintering Furnace

ZTCF-30B CS



Technical Parameters

Fast Sintering Time	Single crown takes 1 hour, missing part takes 2.5 hours
Sintering Quantity	60 units
Max. Temperature	1750°C
Temperature Accuracy	Within $\pm 1^\circ\text{C}$
Heating Element	Special high performance composite heating element
Touch Screen	7" TFT
Power	2KW
Voltage	220V, 50/60HZ
Cleaning Program	No.40
Total Program No.	40 programs, with power off memory function
Size	565×310×585 mm(L×W×H)
Net Weight	50KG



Features

Chairside Fast Sintering	The whole process takes 1 hour (including heating, keep warm and cooling), with a maximum sintering capacity of 60 units.
Precision Temperature Control	PID Intelligent temperature control system, achieves a temperature control accuracy of $\pm 1^\circ\text{C}$ to enhance product quality.
Program Preset Function	It can store 40 programs, enabling one-click selection of preset programs, fast and efficient.
High-Quality and Efficiency	High performance composite heating elements ensure no pollution, uniform temperature distribution, and avoid issues like incomplete sintering and inaccurate coloration.
High-Definition Touch Screen	Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simplicity and easy to use.
Energy-Saving	Using imported insulation materials, energy-efficient and pollution-free, with excellent heat retention to ensure uniform temperature distribution.
Memory Function	Resilient to sudden power outages, it can resume work from saved data after restart, ensuring uninterrupted operation.



ZETIN

1-to-2 Milling Machine Dedicated Vacuum Cleaner

ZT-XCQ-2511

Technical Parameters

Max Airflow	6m ³ /min
Vacuum	15 kpa
Frequency	50/60 HZ
Noise Level	<70 dB
Rated Power	1200 W
Input Voltage	220 V
Size	505×455×675mm(L×W×H)
Weight	32KG



Features

1-to-2 Design

One vacuum cleaner can drive two milling machines, not only streamline application scenarios, but also reduce costs, enhance efficiency.

Free Switch

Manual and automatic switching design with synchronized zirconia milling machine control (automatically start and stop with milling machine), minimizing operational steps and improve work efficiency.

Compact & Portable

Exquisite and beautiful design with lightweight construction. Equipped with self-locking casters for flexible positioning and scenario adaptability.

High-efficiency Dust Removal

Strong suction power, with max airspeed of 35m/s. The suction power is adjustable and can filter particles below 5um, effectively improving dust removal effect.

Self-cleaning System

Auto-reverse pulse cleaning maintains filter cleanliness, reduces the replacement frequency and maintenance costs.

Low-noise

High-sealing vibration-dampened design, improves comfort of the working environment.

Cost-effective Performance

Brushless motor, running time can reach more than 25000 hours, effectively reducing equipment maintenance costs.

Extended Runtime

12-hour continuous operation capability supports high-intensity cleaning demand, ensures efficiency.

Maintenance Simplified

The filter element is easy to disassemble, the operation is simple and convenient for cleaning and maintenance.



ZETIN

Dental Milling Machine Dedicated Vacuum Cleaner

ZT-XCQ-2412

Technical Parameters

Max Airflow	4.5m ³ /min
Vacuum	15 kpa
Frequency	50/60 HZ
Noise Level	<70 dB
Rated Power	150 W
Input Voltage	220 V
Size	410×280×550mm(L×W×H)
Weight	16KG



Features

Compact & Portable

Exquisite and beautiful design with lightweight construction. Equipped with self-locking casters for flexible positioning and scenario adaptability.

High-efficiency Dust Removal

Strong suction power, with max airspeed of 35m/s. The suction power is adjustable and can filter particles below 5um, effectively improving dust removal effect.

Self-cleaning System

Auto-reverse pulse cleaning maintains filter cleanliness, reduces the replacement frequency and maintenance costs.

Low-noise

High-sealing vibration-dampened design, improves comfort of the working environment.

Cost-effective Performance

Brushless motor, running time can reach more than 25000 hours, effectively reducing equipment maintenance costs.

Extended Runtime

12-hour continuous operation capability supports high-intensity cleaning demand, ensures efficiency.

Maintenance Simplified

The filter element is easy to disassemble, the operation is simple and convenient for cleaning and maintenance.



ZETIN

CAD/CAM Milling Machine

ZTMM-A5



Technical Parameters

Axis	5
Processing Way	Dry cut
Spindle	Max speed 60000r/min
Range of Rotation	Axis A: -114°to +90°
Tilting Rotation	C axis: 360°
Finishing Precision	±0.005mm
Remote Maintenance	A/S
Tools	4 knives
Compressed Air	7bar, 50L/min
Materials Available	ZIR / PMMA / WAX PEEK
Material Sizes	98mm×10mm 98mm×25mm
Power	1.2kw
Voltage	220V AC 50/60HZ
Size	525×480×615mm(L×W×H)
Net weight	63KG

Features

Precision Engraving

5-axis, large angle control, no dead angle processing, meet complex engraving needs.

Low Noise

Highly sealed shock-absorbing design improves the comfort working.

Clean Processing

Dry cut, no pollution, equip your own vacuum cleaner to ensure clean environment.

High-Definition Touch Screen

Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simple and easy to use.

Hot-selling

High market demand and continuously popular model.



ZETIN

Glazing Furnace

ZTCF-20B Mini



Technical Parameters

Max.Temperature	1100°C
Temperature Accuracy	Within $\pm 1^{\circ}\text{C}$
Power	700W
Voltage	220V 50/60HZ
Chamber Size	60×70×60mm(L×W×H)
Size	220×170×266mm(L×W×H)
Net Weight	8.5 KG



Features

High-Quality and Efficiency

Imported heating wire, uniform heating, long service life, and pollution-free.

Precision Temperature Control

PID intelligent temperature control system with high temperature control accuracy, of $\pm 1^{\circ}\text{C}$.

Program Preset Function

100 programs can be stored and retrieved easily.

High-Definition Touch Screen

Large touch screen, parameterized design interface, and panoramic display of all parameters.

Energy-Saving

New environmentally friendly insulation materials with good insulation performance ensure stable furnace temperature.

Small Size

Compact and lightweight, suitable for chairside.



ZETIN

Porcelain Furnace

ZTCF-20B



Technical Parameters

Max. Temperature	1300°C
Max. Vacuum	-98kpa
Heating Rate	≤140°C/min
Temperature Accuracy	Within ±1°C
Chamber Size	∅100m*70 mm
Power	1600W
Voltage	220V 50/60HZ
Total Program No.	100 programs (Can extend to 500 programs)
Size	380×320×610mm(L×W×H)
Net Weight	21KG

Features

Glass Ceramics Available

Multi stage heating design, capable of sintering glass ceramics.

High-Quality and Efficiency

Imported heating wire, uniform heating, long service life, and pollution-free, avoiding under-firing, no inaccurate color.

Program Preset Function

The machine is equipped with Ivoclar, Vita, and Noritake powder programs, which users can directly choose according to their needs.

Precision Temperature Control

PID Intelligent temperature control system, achieves a temperature control accuracy of ±1°C to enhance product quality.

Accurate Sense

Imported sensor, precise vacuum measurement.

High Quality Accessories

Ultra long service life oil-free vacuum pump, high vacuum value, maintenance free, and low noise.

High-Definition Touch Screen

Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simplicity and easy to use.

Core Protection

Unique vacuum pipeline filtration design ensures the life span of relevant components.

Energy-Saving

New environmentally friendly insulation materials with good insulation performance ensure stable furnace temperature.



ZETIN

Chairside Fast Zirconia Sintering Furnace

ZTCF-30B Fast Pro



Technical Parameters

Fast Sintering Time	Single crown takes 1 hour, missing part takes 2.5 hours
Sintering Quantity	60 units
Max.Temperature	1750°C
Temperature Accuracy	Within $\pm 1^{\circ}\text{C}$
Heating Element	Special high performance composite heating element
Touch Screen	7" TFT
Power	2KW
Voltage	220V, 50/60HZ
Cleaning Program	No.40
Total Program No.	40 programs, with power off memory function
Size	340×617×428 mm(L×W×H)
Net Weight	31KG



Features

Chairside Fast Sintering	The whole process takes 1 hour (including heating, keep warm and cooling), with a maximum sintering capacity of 60 units.
High-Quality and Efficiency	High performance composite heating elements ensure no pollution, uniform temperature distribution, and avoid issues like incomplete sintering and inaccurate coloration.
Precision Temperature Control	PID Intelligent temperature control system, achieves a temperature control accuracy of $\pm 1^{\circ}\text{C}$ to enhance product quality.
Program Preset Function	It can store 40 programs, enabling one-click selection of preset programs, fast and efficient.
High-Definition Touch Screen	Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simplicity and easy to use.
Energy-Saving	Using imported insulation materials, energy-efficient and pollution-free, with excellent heat retention to ensure uniform temperature distribution.
Memory Function	Resilient to sudden power outages, it can resume work from saved data after restart, ensuring uninterrupted operation.



ZETIN

Perfect fit Forming Machine

ZTCF-40A



Technical Parameters

Diaphragm diameter	120mm/125mm
Diaphragm thickness	0-6mm
Touch screen	7" TFT color
Pressure	0.4-0.8 Mpa
Noise level	≤ 60dB
Power	910 W
Voltage	220-240V, 50-60Hz
Size	370×420×630mm(L×W×H)
Net weight	52 kg

Features

Automatic Forming

The thermoforming process and cooling time run automatically until completed.

Quality Assurance

The heated diaphragm is pressed vertically to the model, the thickness is uniform.

Safety Protection

It has an automatic shut-off function to ensure work safety.

Rapid Heating

Medium-wave infrared heating don't need preheating, not only to heat the surface of the material, but also penetrate into the entire material.

Wide Appliance

The program includes all diaphragm.

Operation Autonomous

Select the type and thickness of the diaphragm and start the program Automatically.

High-Definition Touch Screen

Large touch screen, parameterized design interface, and panoramic display of all parameters.

High-Quality and Efficiency

It can store 100 programs, enabling one-click selection of preset programs, fast and efficient.



ZETIN

Carbon Zirconia Sintering Furnace

ZTCF-30B SiC

Technical Parameters

Fast Sintering Time	2.5 hours (including heating, keep warm, and cooling) 80 units.
Regular Sintering	Can stack 3 layers crucible and sintering 150 unit teeth.
Max. Temperature	1560°C
Temperature Accuracy	Within $\pm 1^\circ\text{C}$
Heating Rate	$\leq 40^\circ\text{C}/\text{min}$
Heating Element	Professional silicon carbide rods used in dentistry
Touch Screen	7" TFT
Power	3KW
Voltage	220V, 50/60HZ 110V, 50/60HZ
Total Program No.	40 programs, with power off memory function
Chamber Size	$\varnothing 110\text{mm} \times 120\text{ mm}$
Size	590×400×850 mm (L×W×H)
Net Weight	78KG



Features

Double Efficiency

Sinter Fast, takes 2.5 hours (including heating, keeping and cooling). can sinter 80 units in one circle, solves expedited projects.

Max 150 units

Can sinter 3 layers of crucibles up to 150 units, improving production efficiency.

High-Quality and Efficiency

Using world famous brand of dental silicon carbide rods, temperature uniform, pollution-free, maintenance-free, color transparent and mellow, avoid undercooked and inaccurate color.

Precision Temperature Control

PID Intelligent temperature control system, achieves a temperature control accuracy of $\pm 1^\circ\text{C}$ to enhance product quality.

Program Preset Function

It can store 40 programs, enabling one-click selection of preset programs, fast and efficient.

Energy-Saving

Using imported insulation materials, energy-efficient and pollution-free, with excellent heat retention to ensure uniform temperature distribution.

High-Definition Touch Screen

Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simplicity and easy to use.

Memory Function

Resilient to sudden power outages, it can resume work from saved data after restart, ensuring uninterrupted operation.



ZETIN

Box-type Sintering Furnace

ZTCF-30B Mini



Technical Parameters

Max.Temperature	1730°C
Temperature Accuracy	Within $\pm 1^{\circ}\text{C}$
Heating Element	High purity heater specially for dentistry
Touch Screen	7" TFT
Cleaning Program	No.40
Chamber Size	110×120×130 mm
Power	3KW
Voltage	220V 50/60HZ 110V 50/60HZ
Total Program No.	40 programs, with power off memory function
Size	455×350×553 mm(L×W×H)
Net Weight	60 KG

Features

Safety Protection

Unique safety lock design to avoid opening the door due to the wrong operation in working mode and avoid sintering failure.

Exquisite and small size

Compact chamber can sinter up to 80 units.

High-Quality and Efficiency

High-purity dental silicon-molybdenum rods, no pollution, uniform temperature, avoiding under-firing, no inaccurate color.

Precision Temperature Control

PID intelligent temperature control system, achieves a temperature control accuracy of $\pm 1^{\circ}\text{C}$ to enhance product quality.

Program Preset Function

It can store 40 programs, enabling one-click selection of preset programs, fast and efficient.

Energy-Saving

Using imported insulation materials, energy-efficient and pollution-free, with excellent heat retention to ensure uniform temperature distribution.

High-Definition Touch Screen

Featuring large-size touch screen, data visualization interface, and icon-based operation buttons, simplicity and easy to use.

Memory Function

Resilient to sudden power outages, it can resume work from saved data after restart, ensuring uninterrupted operation.



ZETIN

For Metal 3D Printing Annealing Furnace

ZTCF-50A



Technical Parameters

Max.Temperature	1200°C
Max.Vacuum	-96kpa
Power	5500W
Voltage	AC 220V 50Hz/60Hz
Size	960×600×1150mm(L×W×H)
Net Weight	180kg



Features

Lifting Rocker Arm

Automatic extraction and transfer basket, time-saving and easy to operate, not easy to bump. Large chamber design, can burn 3 layers base board, with max diameter 200 mm. Meet most 3D printing base board.

High Compatibility

High-Quality and Efficiency

It can store 100 programs, enabling one-click selection of preset programs, fast and efficient.

Quality Assurance

Imported heating wire, uniform heating, long service life, and pollution-free, avoiding under-firing, no inaccurate color.

Low Costs and stable

Green environmental and excellent thermal insulation materials makes the temperature more stable, Save power, Max temperature can reach 1200°C.

Real-time Monitor

High vacuum, up to -96kpa, real-time monitoring of vacuum degree during operation.

High-Definition Touch Screen

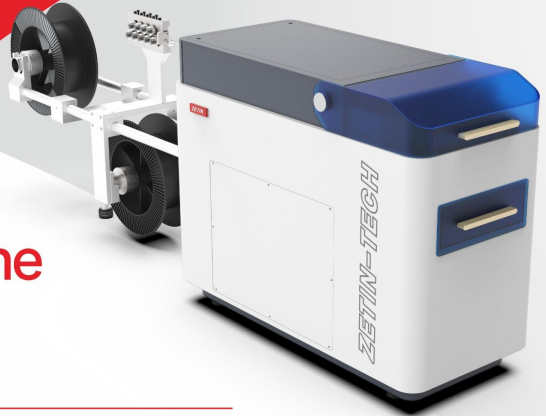
Large touch screen, parameterized design interface, and panoramic display of all parameters.

Precision Temperature Control

Excellent sealing, High temperature control, vacuum maintenance automatically.



ZETIN



Dental Orthodontic Solution

CNC Steel Wire Bending Machine

ZTZW-10A

Technical Parameters

Bending Accuracy	0.2°
Feed Accuracy	0.1mm
Bending Speed	180°/s
Max Bending Angle	180°
Max Rotation Angle	Full-range rotation
Material Diameter Range	0.5-1.5mm
Rated Power	200 W
Input Voltage	220 V
Control Voltage	12V-24V
Overall Dimensions	1746×360×617mm(L×W×H)
Weight	60KG

Features

Software Support

ZETIN independent developed CAD/CAM software ensures smart connection with equipment, avoid data incompatibility to affect work progress.

High Precision

Adopt imported servo motor, millisecond response, fast tracking of command changes, high precision, and reduce loss costs.

Precise Positioning

Perfect structural design, one-time positioning, no need for repeated calibration, and improved production efficiency.

Simplified Process

Easy to replace steel wire, one-person operation can be completed within 2 minutes, improving work efficiency.

Stable Output

Bending according to the transmission model data 1:1, one-time molding, stable production, and reduce loss.

Easy to Use

The overall design structure is simple and easy to operation, reducing the difficulty of operation and avoiding repeated job training.



ZETIN



Muffle Furnace

ZTMF-10A

Technical Parameters

Max.Temperature	1100°C
Heating Rate	≤70°C/min
Temperature Accuracy	Within ±2°C
Heating Element	Dental silicon carbide rods
Chamber Size	150×150×165 mm
Power	4KW
Voltage	220V 50/60HZ
Program Stage	30 stages
Furnace Size	420×410×490 mm(L×W×H)
Net Weight	36 KG

Features

Safe Operation

The safety switch function can automatically cut off the power to stop heating when the furnace door is opened, more safe.

Operator Protection

The casing adopts a multi-point grounding design, and reserved grounding wires to ensure the safety of the operator.

High-Quality and Efficiency

Using high-performance, no pollution and heating evenly dental silicon carbide rods.

Program Preset Function

Temperature curve has 30 programmable stages, the heating rate and holding time can be set according to personal needs.

Precision Temperature Control

PID intelligent temperature control system accurately controls the temperature.

Energy-Saving

Green environmental thermal insulation materials, thick thermal insulation layer, have good thermal insulation effect and more energy-saving.

ZETIN

Zhengzhou Zetin Electromechanical Equipment Co.,Ltd
 Web: www.zetintech.com www.zetindental.com
 Email: admin@zetin2005.com
 Tel: 0086-139 3858 0592



Zirconia Block

Model	Color	Thickness(mm)		Specification
ST	White	10	18	Strength:≥1300MPa Translucency:42%
		12	20	
		14	22	
		16	25	
SHT	White	10	18	Strength:≥800MPa Translucency:49%
		12	20	
		14	22	
		16	25	
ST-C	16 single color	10	18	Strength:≥1100MPa Translucency:43%
		12	20	
		14	22	
		16	25	
ST-ML	Multilayer 3 colors A1/A2/A3	10	18	Strength:1050MPa-1300MPa Translucency:43%-46%
		12	20	
		14	22	
		16	25	
SHT-C	3 single color OM1/OM2/OM3	10	18	Strength:≥800MPa Translucency:49%
		12	20	
		14	22	
		16	25	
SHT-ML	Multilayer 3 colors OM1/OM2/OM3	10	18	Strength:≥800MPa Translucency:49%
		12	20	
		14	22	
		16	25	
3D-Pro-ML	Multilayer 16 colors	10	18	Strength:850MPa-1150MPa Translucency:45%-49%
		12	20	
		14	22	
		16	25	
3D-Pro-ML	White	10	18	Strength:850MPa-1150MPa Translucency:45%-49%
		12	20	
		14	22	
		16	25	



Density after sintering



Translucency 46%



Flexural strength 1000MPa



Processing techniques
Infiltration technique Staining
technique Cut-back technique



Fracture toughness
≥ 24.5MPa.m^{1/2}

ZETIN

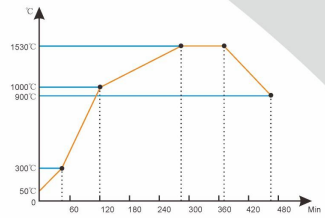
Zhengzhou Zetin Electromechanical Equipment Co.,Ltd
 Web: www.zetintech.com www.zetindental.com
 Email: admin@zetin2005.com
 Tel: 0086-139 3858 0592



Zirconia Block

No.1 program(Standard)

Step	Start Temperature(°c)	End Temperature(°c)	Time(min)	Speed(°c/min)
1	50	300	50	5
2	300	1000	70	10
3	1000	1530	150	3.5
4	1530	1530	120	0
5	1530	900	70	9
6	900	100	Nature Cooling	



No.2 program(Fast)

Step	Start Temperature(°c)	End Temperature(°c)	Time(min)	Speed(°c/min)
1	50	300	15	16.7
2	300	1200	30	30
3	1200	1400	15	13.3
4	1400	1530	17	7.6
5	1530	1530	60	0
6	1530	900	20	31.5
7	900	100	Nature Cooling	

