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NO.6



• Make People Healthier and More Beautiful •

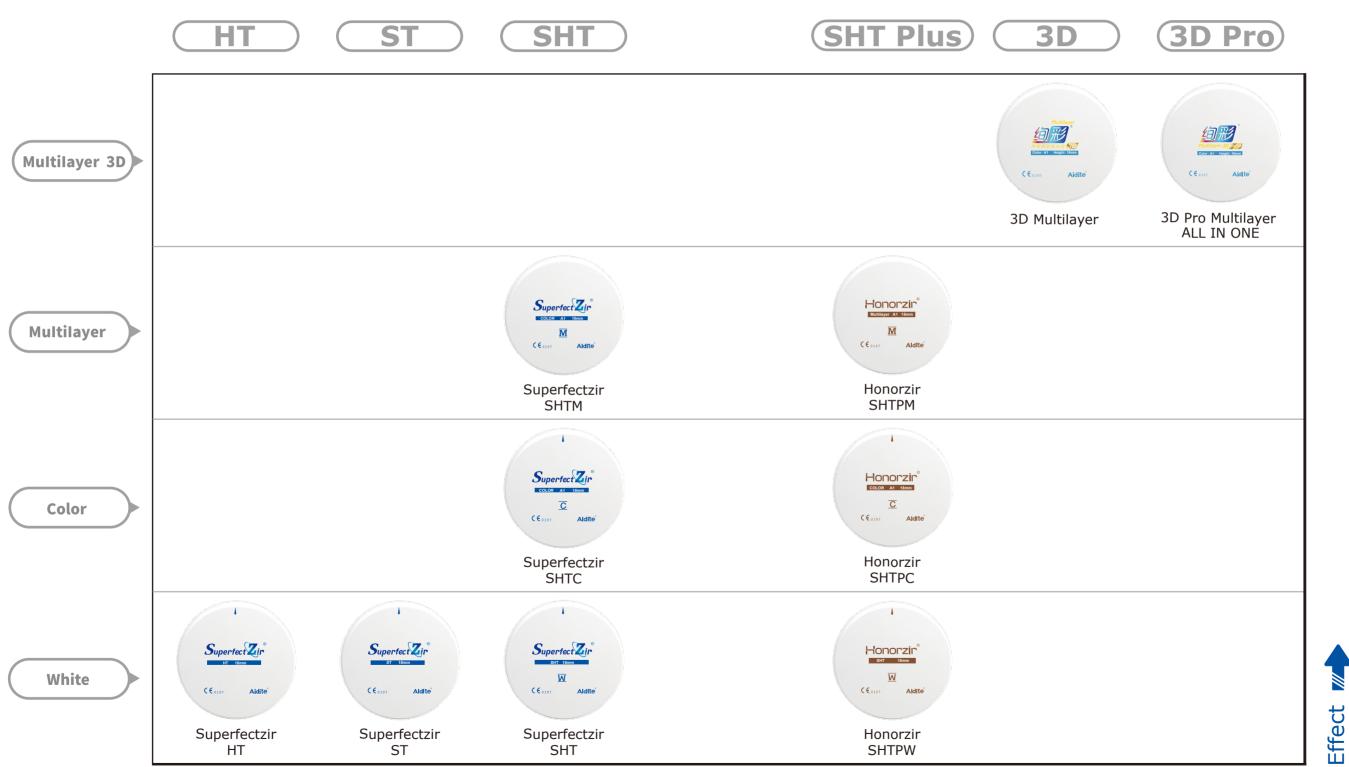
# PRODUCT CATALOGUE Aidite

## **Aidite**®

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Transparency ///







- Reliability Esthetic effect
- · Biocompatibility · Perfect fit



·HT / ST / SHT / SHTC / SHTM ·



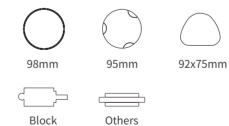


# HT (high strength full) ceramic zirconia restoration material

## [ Advantage ]

- · Super high bending strength and excellent hardness.
- This material has comprehensive indications, especially for the long span bridge.
- The excellent masking effect can be used for covering the metal color.

## [ System ]



## [ Recommended Indications ]



## **Aidite**<sup>®</sup>



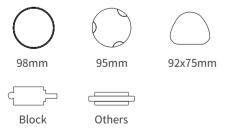


## ST(super translucency) full ceramic restoration zirconia material

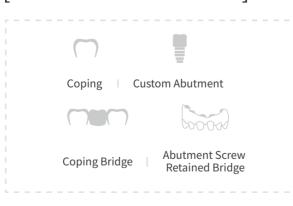
#### [ Advantage ]

- · Super high bending strength and excellent hardness.
- Superior ageing resistance, good permeability and translucency can make it more easier to operate.
- The Aesthetic restoration effect, stable quality and reasonable price provide a multiple choice.

## [System]



## [ Recommended Indications ]





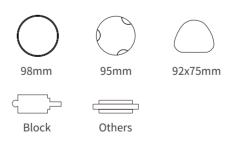


## SHT (super high translucency) full ceramic restoration zirconia material

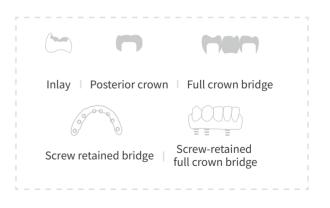
#### [ Advantage ]

- Super high bending strength and excellent hardness.
- Superior ageing resistance, good permeability and translucency can make it more easier to operate.
- SHT material has been universally applied in the dentistry due to its remarkable quality.

## [ System ]



#### [ Recommended Indications ]



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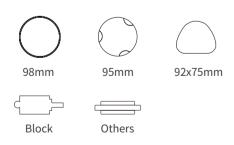


## SHTC (super high translucency color) full ceramic restoration zirconia material

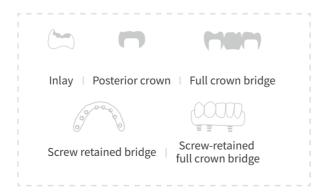
#### [ Advantage ]

- The preshade color zirconia blocks keep the high translucency of SHT, also simplify the tedious dyeing process.
- The material is colored after sintering which makes the color of zirconia blocks more accurate and easier for technicians to operate.
- The innovative and brilliant craftmanship can provide you time saving, cost saving and remarkable restoration.

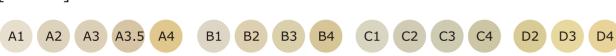
## [ System ]



## Recommended Indications



## [ Color ]





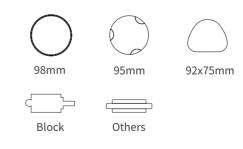


## SHTM (super high translucency multilayer) full ceramic restoration zirconia material

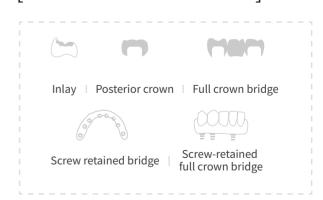
#### [ Advantage ]

- The preshade color zirconia blocks keep the high translucency of SHT, also simplify the tedious dyeing process.
- The material is colored after sintering which makes the color of zirconia blocks more accurate and easier for technicians to operate.
- The innovative and brilliant craftmanship can provide you time saving, cost saving and remarkable restoration.

## [ System ]



## [ Recommended Indications ]



## [ Color ]



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# Honorzir®

Transparent texture/Delicate gloss / Natural transition





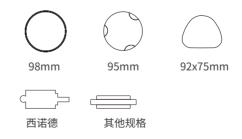


## SHTPW (super high translucency plus white) full ceramic restoration zirconia material

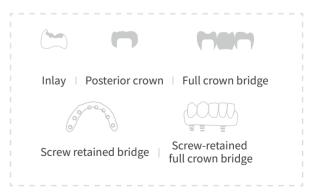
#### [ Advantage ]

- Using special raw material processing and manufacturing technique can make the material having brilliant translucency and bending strength.
- On the basis of ensuring the high strength of the material, the translucency of the material is better than SHT material.
- SHT-Plus material is the combination of high strength and high translucency which makes it more suitable for the dentistry.

## [ System ]



## [ Recommended Indications ]



·SHTPW / SHTPC / SHTPM ·



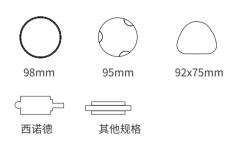


## SHTPC (super high translucency plus color) full ceramic restoration zirconia material

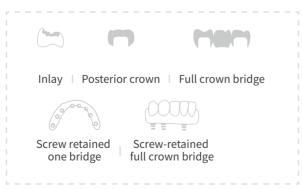
#### [ Advantage ]

- SHTC-Plus blocks keep the super high translucency of SHT-Plus, and simplify the tedious-dyeing process.
- SHTC-Plus material is the combination of high strength and high translucency which makes it more suitable and easier for technicians to operate.
- The innovative and brilliant process can provide you remarkable restorations with short time and low cost.

## [ System ]



## [ Recommended Indications ]



## [Color]





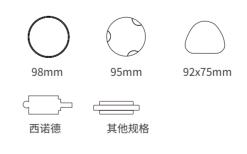


## SHTPM (super high translucency plus multilayer) full ceramic restoration zirconia material

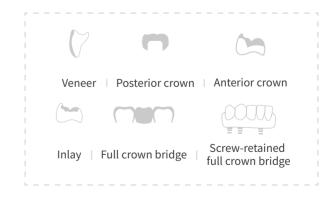
#### [ Advantage ]

- SHTC-Plus blocks keep the super high translucency of SHT-Plus, and simplify the tedious dyeing process.
- SHTC-Plus material is the combination of high strength and high translucency which makes it more suitable and easier for technicians to operate.
- The innovative and brilliant process can provide you remarkable restorations with short time and low cost.

## [ System ]



## [ Recommended Indications ]



## [ Color ]

A1	A2	А3	A3.5	A4	B1	B2	В3	B4	C1	C2	C3	C4	D2	D3	D4

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#### - High Strength and Simple High Aesthetics





Bionic / High Strength / Layerless Natural Transition





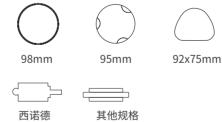
Color	Vita 16 colors
Aesthetic	super high translucency
Sintered density	≥6.0g/cm <sup>3</sup>
Bending strength	≥600-900Mpa
Fracture toughness	5Mpam <sup>0.5</sup>
Hardness	1250

## 3D Multilayer full ceramic zirconia restoration material

## [ Advantage ]

- 3D Multilayer is a digital material which means faster, better and more economical.
- Color gradient, Transparency gradient, Strength gradient
- 3D Multilayer achieves proper strength in occlusion which means no harm to opposite detine.

## [ System ]

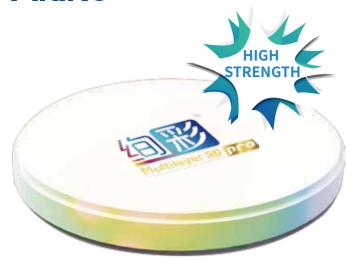


## [ Recommended Indications ]



## [ Color ]







Physi	cal par	ameters:

Color	Vita 16 colors
Aesthetic	super high translucency
Sintered density	≥6.0g/cm <sup>3</sup>
Bending strength	≥600-900Mpa
Fracture toughness	5Mpam <sup>0.5</sup>
Hardness	1250

## 3D Pro Multilayer full ceramic zirconia restoration material

#### [ Advantage ]

• 3D pro multilayer realizes natural gradient of color, transparency and strength in a real sense, achieving another revolution of dental material and revolutionizing dentistry once again. Now, it is time to change!

## [System]



其他规格



西诺德













Veneer



Screw retained bridge

[ Recommended Indications ]





Posterior crown | Full crown bridge | Anterior crown

Screw-retained

full crown bridge



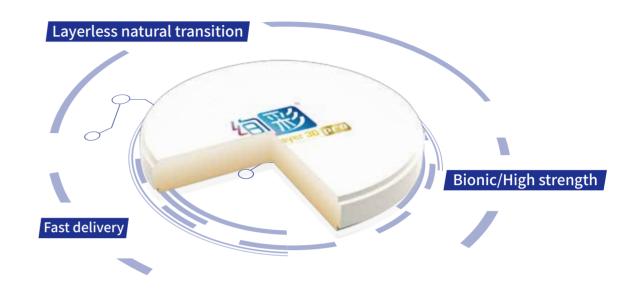






Full arch crown

#### Product features >>>



#### Bionic

3D pro Multilayer zirconia material is developed by Aidite and Peking University School of Stomatology. The material is closer to the visual effect of natural teeth from the aesthetic point of view, and abrasion is low, close to natural teeth, it is a dental restoration material with biomimetic properties.

#### High strength

The bottom strength of 3D pro Multilayer is up to 1050Mpa, the strength is greatly improved, and the long bridge is not broken easily now, which can fully meet the requirements of the laboratories for the strength of zirconia materials.

#### Layerless natural transition

The color has a layerless natural transition, matching the trend of the color transition of the natural tooth from the incisal part to the cervical part.

#### Fast delivery

3D pro Multilayer is a digital material in the field of zirconia materials. The excellent performance of the material itself, together with the 3D pro Multilayer Rapid Aesthetic Solution, can help the laboratories to complete the 24h fast delivery of zirconia restoration materials.

## 3D pro Multilayer Fast and **Aesthetic Restoration Solution**





Zirconia materials | Aidite | 14 13 | Aidite | Zirconia materials

## **Aidite**<sup>®</sup>



Range

Stain

Bridge

Veneer

Porcelain on veneer

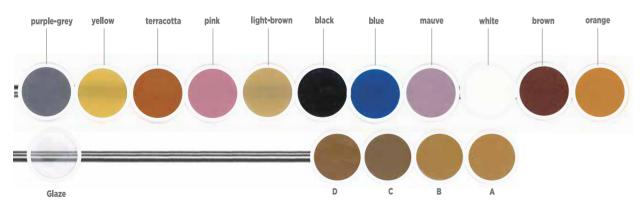
All-ceramic crown

## **Stain&Glaze Set**

- Easy operation.
- Fluorescence effect.
- On't need glaze solely.
- One sintering , and the high lustre sensation can be got.
- Perfect combination of the paste and zirconia.
- Super high translucency.









## **Coloring Liquid**

SHT/ST/AT16 color:

A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 SHT 26color:

1M1, 1M2

2L1.5, 2L2.5, 2M1, 2M2, 2M3, 2R1.5, 2R2.5 3L1.5, 3L2.5, 3M1, 3M2, 3M3, 3R1.5, 3R2.5 4L1.5, 4L2.5, 4M1, 4M2, 4M3, 4R1.5, 4R2.5

5M1, 5M2, 5M3

## SHT dedicated 16 visible color liquid

Color: A1 A2 A3 A3.5 A4 B1 B2 B3 B4
 C1 C2 C3 C4 D2 D3 D4





## **Incisal color liquid**

O Color: T1

## **Magic color liquid**

O Color: O1 O2 G1 G2 G3 P1 P2 P3 T1



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WAX Parameter

Hardness 95(Shore"A"Scale)

Density 0.92 g/cm<sup>3</sup>

298 ℃ Ignition point

Melting point 114°C

Viscosity 5Mpam<sup>0.5</sup> 1790 cs

Volume shrinkage 6.24% typical

Ash content 0.0082%

Flexural modulus 10.09

1.09x10<sup>-4</sup> Thermal expansivity

## Wax

Application:

Wax model

Calibration



Colors:







Red

Blue

## Advantages:

- Easier to process- Low resin content, cutting without bonding knife.
- More environmentally friendly- No harmful dust and odour.Better match- It can be used with common investment materials in the market.Better effect- No deformation after cutting, no burrs.
- Higher success rate- Small thermal expansivity, greatly improve the success rate.

## **PMMA**



**Material Properties** 

Flexural Strength >120MPa Solubility  $<5 \mu g/mm^3$ Water uptake  $< 25 \mu g/mm^{3}$ 

>2,200 MPa Modulus of elasticity

#### PMMA MULTILAYER BLOCKS

Aidite PMMA Multilayer has a gradient transition of layer throughout the disc making it an esthetic solution with high color stability which easily polishes to a high gloss.

#### **Indications**

- Temporary crown restorations
- Temporary bridge restorations

#### **Benefits**

- Superior millability without cracking or chipping.
- Easy to polish to a high gloss.
- High color stability.
- Provides high strength for a provisional material.

Available in Wieland system/ Zirkonzahn system/ Amann Girrbach system Compatible with industry-leading milling machines

#### Colors:



BL





























## **Aidite**<sup>®</sup>



## **Milling Burs**

This dedicated dental milling burs have half round mucro. Range of milling is from 0.6mm to 2 mm which is used for preliminary and high efficiency manufacture. 0.6mm milling burs is mainly used to milling the sculpture of groove, the elaborate progress. The undercut problem can be fixed easily due to the special length of milling burs and flexible milling.

System: VHF、RL、ZZS、MINI、AMZ、AW、ZZZ、IMES-ICORE、VIELAND、ZIRKON、YENA

Milling burs are necessary tools for your milling machine. Extent the your life of milling burs, increase number of milling teeth.



#### **VHF**

**CLASSIFICATION:** 

- Φ0.6\*Φ3.0\*35\*2F
- Φ1.0\*Φ3.0\*35\*2F
- Φ2.0\*Φ3.0\*35\*3F



CLASSIFICATION:

- Φ0.6\*Φ4.0\*50\*2F
- Φ1.0\*Φ4.0\*50\*2F
- Φ2.0\*Φ4.0\*50\*2F





#### **Zirkon Zahn Manual**

CLASSIFICATION:

- Φ0.5\*Φ3.0\*47\*2F
- Φ1.0\*Φ3.0\*47\*2F
- Φ2.0\*Φ3.0\*47\*2F
- Φ4.0\*Φ3.0\*47\*3F



- Φ0.7\*Φ3.0\*35\*2F
- Φ1.0\*Φ3.0\*35\*2F
- Φ2.5\*Φ3.0\*35\*2F



## **Amann Girrbach Automatic**

CLASSIFICATION:

- Φ0.6\*Φ3.0\*47\*2F
- Φ1.0\*Φ3.0\*47\*2F
- Φ2.5\*Φ3.0\*47\*2F



CLASSIFICATION:

- Φ1.0\*Φ3.0\*43\*2F
- Φ2.0\*Φ3.0\*43\*2F
- Φ2.5\*Φ3.0\*43\*2F



#### **Zirkon Zahn Automatic**

CLASSIFICATION:

- Φ0.5\*Φ3.0\*57\*2F
- Φ1.0\*Φ3.0\*57\*2F
- Φ2.0\*Φ3.0\*57\*2F



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## Polishing kit

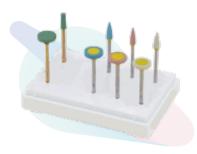
#### Cameo zirconia polishing kit

Suitable for polishing zirconia materials.

Efficient and high-speed process, takes only 1-2 minutes to finish polishing.

The entire tool can polish more than 100 restorations.

Recommended speed within 15000 rpm\*min-1

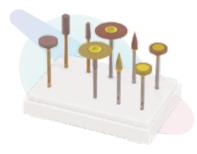


#### General ceramic polishing kit

Suitable for polishing all ceramic materials (including zirconia and glass ceramics)

Contains emery particles for efficient polishing. Polished surface is smooth and no need to be glazed.

Recommended speed 7000-12000 rpm\*min-1 Maximum speed 20000 rpm\*min-1



#### Glass ceramic special polishing set

Especially suitable for glass ceramics.

Contains emery particles for efficient polishing. Polished surface is smooth and no need to be glazed.

Recommended speed 7000-12000 rpm\*min-1 Maximum speed 20000 rpm\*min-1



#### Full crown special polishing set

Particularly suitable for all zirconium restorations. High emery content for efficient polishing without glazing after polishing

Recommended speed within 15000 rpm\*min-1



## Legno

98\*10-TPUR 98\*20-TPUW

98\*20-TPUR 98\*22-TPUW

98\*22-TPUR 98\*25-TPUW

98\*25-TPUR 98\*28-TPUW

98\*28-TPUR

## Saggar

Ø100∗35



## Zirconia beads

● 0.6mm 1.0mm 1.8mm 3.0 mm

## Sintering retainer glue

5ml/piece





## Dental supporting tweezers

 Used to support the restorations during the dyeing process

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## **Aidite A-IS Pro Digital Scanner**

Aidite A-IS Pro digital scanner is a fully functional dental 3D scanner, professional for the solution of restoration, orthodontic, planting data collection.

Small and powerful, has the fastest speed in the same level of dental scanners, especially suitable for the mechanic factory with large scanning demand, it can help the customers expand denture digital production and upgrade productivity.

## **Highlights:**



Rapid scanning



Full function

- Occlusion scanning for 8s
- Output
  Upper and lower jaw for 12s
- Abutment teeth(less than 8) for 13s
- Impression for 58s
- Dynamic scanning, scanning head swing 0-5°.
- O Can be used for scanning abutment teeth, plaster model, impression, ouble-sided impression, articulator, texture and so on.

• The machine weighs only 5 kg, small and lightweight to carry.

The open structure makes it easier to clean and place the models.



Small and lightweight



## **Parameter**



Size (L×W×H)	260mm×270mm×420mm
Weight	5kg
Resolution	1.3MP
Accuracy	≤0.01mm
Output data format	STL, OBJ
Interface	USB3.0
Power	DC 24V
Light source	Blue light

## Blue light scanning

• Less affect by external influences.

Compatible with mainstream dental design software









Equipment | Aidite | 24 23 | Aidite | Equipment



## **CAMEO AV-D5 Milling Unit**

With AV-D5 you will get a five-axis dry milling machine for an especially wide range of indications. The especially stable construction of AV-D5 guarantees excellent machining results.

## **CAMEO AV-D5 Milling Unit HIGHLIGHTS:**



5 simultaneously working axes.



Automatic changer for 16 tools.



Rotation range up to  $\pm$  35 degrees.



Powerful and highly precise synchronous spindle.



Blanks of up to 40 mm thickness.



Sophisticated protective mechanisms.

## **Parameter**

Basic Para	meters		
Size (L×W×H)	450×530×630mm		
Weight	91kg		
Air pressure (min./max.)	6 bar/8 bar		
Suggested air pressure	7bar		
Air consumption	40 l/min(6 bar);50 l/min(8 bar)		
No. of axes	5		
x/y/z pos. range	165.5×108×93 mm		
Rotary axes			
Rotation Angle	360°(A) ±35°(B)		
Spin	dle		
Synchronous spindle speed	60000rpm		
Nominal power under constant load	300W		
Maximum power output	500W		
Hybrid ceramic ball bearings			
Pneumatic Collet chuck	ф3mm		
Тос	ol		
Automatic tool change			
16 tools			







## **CAMEO N4 Milling Unit**

N4 Impression is a compact four-axis wetgrinding machine without an external unit for grinding respectively milling blocks of glass ceramics, zirconium oxide and composites as well as titanium abutments.

## **Parameter**

80x60x40mm
±0.003mm
360x451x471mm
50kg
4bar • 35l/min-8bar • 50l/min
SFN300P
300W
600W
60,000RPM
+190° to -10°

## **CAMEO N4 Milling Unit HIGHLIGHTS:**



Automatic changer for 8 tools.



Sophisticated protective mechanisms.



Especially efficient cooling.



Powerful and highly precise spindle.



No previous knowledge necessary.



Fully integrated system.



Wide range of indications.







## **CAMEO AK-Z5 Milling Unit**

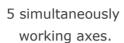
The AK-Z5 is a highly versatile dental milling machine. It has five simultaneously working axes, a blank changer for 8 blanks and is designed for dry machining as well as for wet machining.





## **CAMEO AK-Z5 Milling Unit highlights**







Non-stop machining thanks to 8-fold changer.



Powerful and highly precise synchronous spindle.



Automatic changer for 16 tools.



Excellent sintering effect.

## **Parameter**

Fields of application	dry and wet machining
Machinable materials	Resin, Wax, Zirconia, Composites, CoCr, Model plaster, Glass ceramics, Titanium
No. of axes	5
x/y/z pos. range	140x98x76 mm
Air consumption	± 0,003 mm
Size (L×W×H)	692x445x540 mm
Weight	95kg
Artifacts exchange	8-fold blank changer
Tool change	automatic tool change station for 16 tools
Compressed air supply	6 bar·80 l/min
Power supply	110V60Hz&220V50Hz



## **CAMEO AK-D5 Milling Unit**

CAMEO AK-D5 Milling Unit has 5 simultaneously working axes, equipped with Germany spindle, which has advanced technology and touch screen and also equipped with a variety of holders, suitable for milling zirconia blocks with various shapes.

## **CAMEO AK-D5 Milling Unit HIGHLIGHTS:**









High stability.

High accuracy.

Germany' s spindle and tools.

High-performance Aircraft aluminum alloy structure.



Touch screen operation.



24 hours continuously run.



An exclusive protection model forpower failure and low air pressure.

## **Parameter**

Size (L×W×H)	53*47*56cm
Weight	110Kg
Voltage	220V50HZ&110V60HZ(Optional)
Power	<1.2KW
Air Pressure	0.6-0.8MPa
Spindle speed	60000 round/minute
Cooling type	Air-cooling
Processing Accuracy	<0.01mm
Cutter Quantity	6(2mm, 1mm, 0.6mm, 0.3mm)
Materials	Zirconia, PMMA, Resin, Wax, Wood
Processing Type	Zirconia, PMMA, Resin(11 Minutes/ Unit), Wax(4 Minutes/ Unit)

# **Cameo Zirconia Fast Sintering Furnace AGT-S**

## A FAST SINTERING FURNACE WITHOUT ANY POLLUTION

## SIC FAST SINTERING FURNACE HIGHLIGHTS:



Without any pollution using SiC high-tech core heating components.



Easy to replace the heating components.



The material can be sintered directly without drying before.



Accuracy of constant temperature is  $\pm 1^{\circ}$ .



Remarkable energy saving effect.



Excellent sintering effect.

## **Parameter**

Core heating component	Carborundum material
Sintering time	2.5h
Number of sintered teeth	30
Program advantage	One-click setting; Four sintering curves



# **Cameo Zirconia Fast Sintering Furnace AGT-L**

## A SINTERING FURNACE WITHOUT ANY POLLUTION

#### SIC REGULAR SINTERING FURNACE HIGHLIGHTS:



Without any pollution using SiC high-tech core heating components.



Easier to replace the heating components.



The material can be sintered directly without drying before.



Lifespan of the heating components is quite longer than ordinary ones.



Remarkable energy saving effect.



Excellent sintering effect.

## **Parameter**

Core heating component	Carborundum material
Sintering time	4h
Number of sintered teeth	80
Program advantage	One-click setting; Four sintering curves



# **Cameo Zirconia Fast Sintering Furnace AGM-S**

# A SINTERING FURNACE SPECIALLY DESIGNED FOR INSTANT RESTORATION

## FAST SINTERING FURNACE HIGHLIGHTS:







ONLY ninety minutes for sintering.

high-tech core heating components.

Remarkable energy saving effect.







Easy to operate.

## **Parameter**

Core heating component	Molybdenum silicide material
Sintering time	1.5h
Number of sintered teeth	30
Program advantage	One-click setting; Two sintering curves





## **Cameo Glazing Furnace**

A GLAZING FURNACE WHICH MAKES IT EASIER TO ADJUST THE COLOR OF RESOTRATION.

## CAMEO GLAZING FURNACE HIGHLIGHTS:







Small and exquisite.

Friendly user interface with double operation mode.

The highest heating temperature can reach 1100 °C.



The maximum heating rate can reach 120°C/min.



The warranty period is 2 years.

## **Parameter**

Honeycomb tray	55*55mm
Operating temperature	5°C —40°C
Temperature accuracy	±3℃
Voltage	100/230V50/60Hz
Power	300W

## Partners



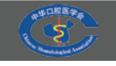
# COOPERATIVE BUSINESS





























## Enterprise certification

## **ENTERPRISE CERTIFICATION**





























