VANEST

Exclusive Distributor in Iraq

Aidite

CAD CAM Solutions

Aidite

Lab division

Zirconia | Consumables | Equipments

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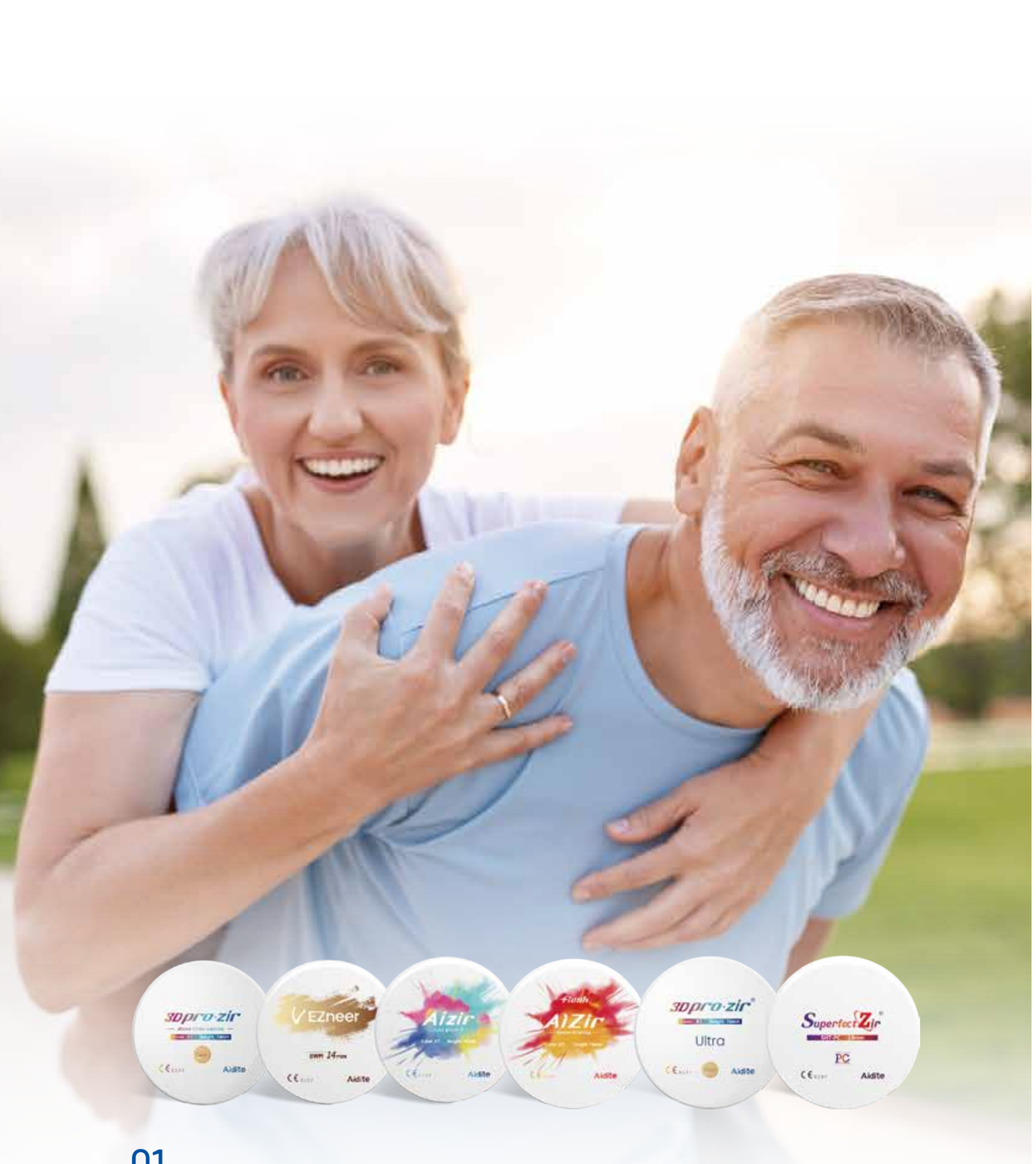
sales@vanest.co

Iraq, Erbil, Bakhtiari, VANEST Building
Opposite to Gulan Towers



01 Material

Zirconia List

	SHT	SHT Plus	Aizir	3D Pro	EZneer
3D				3D Pro zir All in one 3D Pro zir Ultra (NEW)	
Multilayer	SuperfectZir SHTM	New SuperfectZir SHT-PM (NEW)	Aizir AiZir Flash		EZneer BWM/HVM/LVM/A1/B1/H
Color	SuperfectZir SHTC	New SuperfectZir SHT-PC (NEW)			EZneer EW/BW/HV/LV
White	SuperfectZir SHTW SuperfectZir SHTW-L	New SuperfectZir SHT-PW (NEW)			

Translucency

Esthetics

3D Pro zir

Translucency

57%-43%

Strength

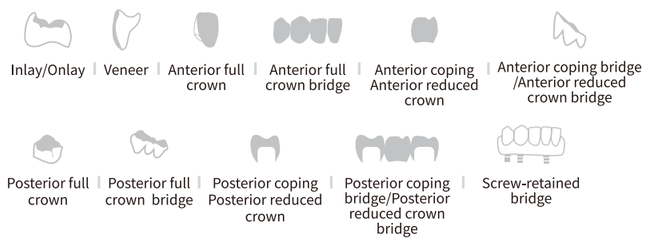
800-1100MPa

Size

98mm

Shades

Indications



Note: The above crown and bridge restorations all include implant restorations.

Parameters

Coefficient of thermal expansion(CTE 25-500°C)	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$\leqslant100\mu g.cm^{-2}$
Fracture toughness	$\geqslant5MPam^{0.5}$
Sintered density	$\geqslant6.0g/cm^{3}$
Vickers hardness	⩾1250HV10

3D Pro zir Ultra NEW

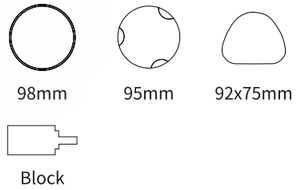
Translucency

57%-43%

Strength

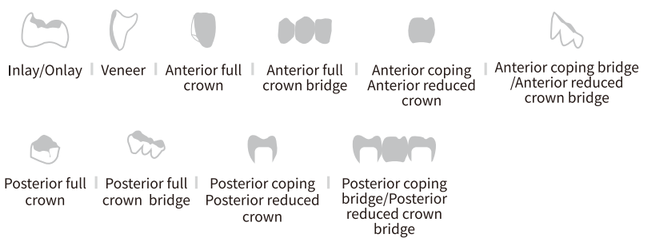
800-1100MPa

Size



Shades

Indications



Note: The length of the above crowns and bridges should be within three units, including implant crowns and bridges.

Parameters

Coefficient of thermal expansion(CTE 25-500°C)	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$\leqslant100\mu g.cm^{-2}$
Fracture toughness	$\geqslant5MPam^{0.5}$
Sintered density	$\geqslant6.0g/cm^{3}$
Vickers hardness	⩾1250HV10

EZneer

Born for veneer

Translucency

60%

Strength

≥600MPa

Size

Shades

Indications

Note: The above crown and bridge restorations all include implant restorations.

Parameters

Aesthetic	Super high translucency / Multilaye
Coefficient of thermal expansion(CTE 25-500°C)	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$\leqslant100\mu g.cm^{-2}$
Fracture toughness	$\geqslant3.5MPam^{0.5}$
Sintered density	$\geqslant6.0g/cm^{3}$
Vickers hardness	≥1250HV10

A layer of LiSi Connect is sprayed on the surface of the zirconia bonding surface, and after one sintering, LiSi Connect crystallizes on the surface of the zirconia into a lithium disilicate coating to complete the surface modification of the zirconia. The zirconia treated by LiSi connect has the same clinical bonding effect as glass ceramics, which helps the clinical bonding performance of zirconia.

[EZneer+ LiSi Connect = Zirconia bonding solution]

Aizir

Just glaze it

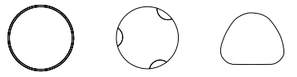
Translucency

43%-53%

Strength

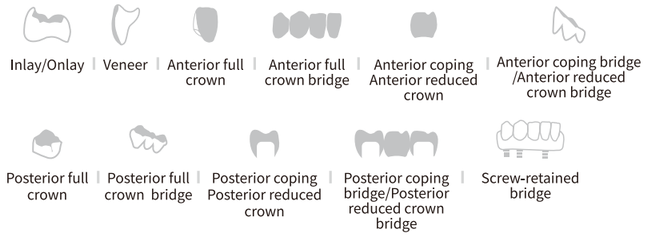
800MPa-1250MPa

Size



Shades

Indications



Note: The above crown and bridge restorations all include implant restorations.

Parameters

Aesthetic	Super high translucency
Coefficient of thermal expansion(CTE 25-500°C)	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$\leqslant100\mu g.cm^{-2}$
Fracture toughness	$\geqslant5MPam^{0.5}$
Sintered density	$\geqslant6.0g/cm^{3}$
Vickers hardness	≥1250HV10

New SuperfectZir SHT-PW

NEW

Translucency

48%

Strength

1250MPa

Size

98mm | 95mm | 92x75mm

Block | Other

New SuperfectZir SHT-PC

NEW

Translucency

48%

Strength

1250MPa

Size

98mm | 95mm | 92x75mm

Block | Other

Indications

Inlay/Onlay | Anterior full crown | Anterior full crown bridge | Anterior coping Anterior reduced crown | Anterior coping bridge /Anterior reduced crown bridge

Posterior full crown | Posterior full crown bridge | Posterior coping Posterior reduced crown | Posterior coping bridge/Posterior reduced crown bridge | Screw-retained bridge

Note: The above crown and bridge restorations all include implant restorations.

Parameters

Shades	White
Translucency	48%
Sintered Density	6.07g/cm^3
Flexural Strength	1250MPa
Fracture Toughness	6.5MPa m$^{0.5}$
Hardness	1310

Shades

Indications

Inlay/Onlay | Anterior full crown | Anterior full crown bridge | Anterior coping Anterior reduced crown | Anterior coping bridge /Anterior reduced crown bridge

Posterior full crown | Posterior full crown bridge | Posterior coping Posterior reduced crown | Posterior coping bridge/Posterior reduced crown bridge | Screw-retained bridge

Note:
1.The above crown and bridge restorations all include implant restorations.
2.It can be used with a special incisal solution to create an enamel effect.

Parameters

Flexural strength	1250MPa
Coefficient of thermal expansion(CTE 25-500°C)	(10.5±0.5)×10^{-6}K^{-1}
Chemical solubility	≤100μg.cm^{-2}
Fracture toughness	≥6.5MPam$^{0.5}$
Sintered density	≥6.07g/cm^3
Vickers hardness	≥1310HV10

New SuperfectZir SHT-PM

NEW

Translucency

48%

Strength

1250MPa

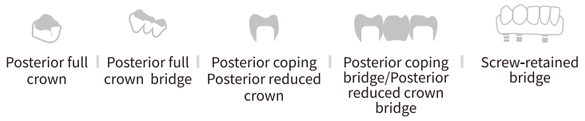
Size

98mm 95mm 92x75mm

Block Other

Shades

Indications



Posterior full crown | Posterior full crown bridge | Posterior coping Posterior reduced crown | Posterior coping bridge/Posterior reduced crown bridge | Screw-retained bridge

Note: The above crown and bridge restorations all include implant restorations.

Parameters

Translucency	48%
Final firing density	6.07g/cm^3
Fracture toughness	6.5MPam$^{0.5}$
Flexural strength	1250MPa
Vickers hardness	1310HV10

SuperfectZir SHTW

SHT White

Translucency

45%

Strength

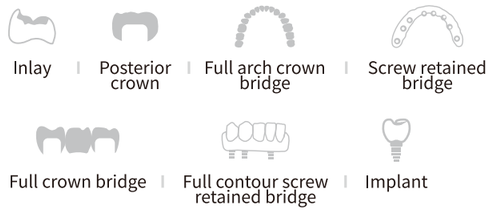
≥1300MPa

Size

98mm 95mm 92x75mm

Block Other

Recommended Indications



Inlay | Posterior crown | Full arch crown bridge | Screw retained bridge

Full crown bridge | Full contour screw retained bridge | Implant

Parameters and application systems

Aesthetic	Super high translucency
Coefficient of thermal expansion(CTE 25-500°C)	(10.5±0.5)×10^{-6}K^{-1}
Chemical solubility	≤100μg.cm^{-2}
Fracture toughness	≥5MPam$^{0.5}$
Sintered density	≥6.0g/cm^3
Vickers hardness	≥1250HV10

SuperfectZir SHTC

SHT Preshaded

Translucency

45%

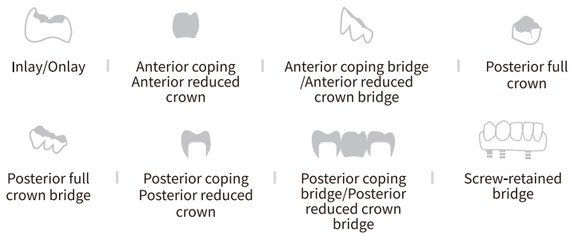
Strength

1350MPa

Size

Shades

Indications



Note: The above crown and bridge restorations all include implant restorations.

Parameters

Aesthetic	Super high translucency
Coefficient of thermal expansion(CTE 25-500°C)	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$\leqslant100\mu g.cm^{-2}$
Fracture toughness	$\geqslant5MPam^{0.5}$
Sintered density	$\geqslant6.0g/cm^{3}$
Vickers hardness	$\geqslant1250HV10$

SuperfectZir SHTM

SHT Multilayer

Translucency

45%

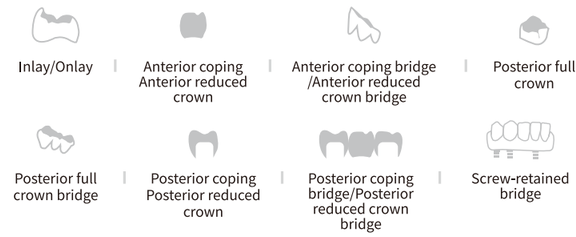
Strength

1350MPa

Size

Shades

Indications



Note: The above crown and bridge restorations all include implant restorations.

Parameters

Aesthetic	Super high translucency
Coefficient of thermal expansion(CTE 25-500°C)	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$\leqslant100\mu g.cm^{-2}$
Fracture toughness	$\geqslant5MPam^{0.5}$
Sintered density	$\geqslant6.0g/cm^{3}$
Vickers hardness	$\geqslant1250HV10$

SuperfectZir SHTW-L

Translucency

43%

Strength

1500MPa

Size

98mm | 95mm | 92x75mm

Block | Other

Indications

Inlay/Onlay | Anterior coping Anterior reduced crown | Anterior coping bridge /Anterior reduced crown bridge | Posterior full crown

Posterior full crown bridge | Posterior coping Posterior reduced crown | Posterior coping bridge/Posterior reduced crown bridge | Screw-retained bridge

Note: The above crown and bridge restorations all include implant restorations.

Parameters

Flexural strength	1500MPa
Coefficient of thermal expansion(CTE 25-500°C)	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$\leqslant$100μg.cm^{-2}
Fracture toughness	8MPam$^{0.5}$
Sintered density	$\geqslant$6.0g/cm^{3}
Vickers hardness	$\geqslant$1250HV10

AiZir Flash

Translucency

48%

Strength

1250MPa

Size

98mm | 95mm | 92x75mm

Block | Other

Shades

A1 A2 A3 A3.5 A4 | B1 B2 B3 B4 | C1 C2 C3 C4

D2 D3 D4

Indications

Inlay/Onlay | Anterior full crown | Anterior full crown bridge | Anterior coping Anterior reduced crown | Anterior coping bridge /Anterior reduced crown bridge

Posterior full crown | Posterior full crown bridge | Posterior coping Posterior reduced crown | Posterior coping bridge/Posterior reduced crown bridge | Screw-retained bridge

Note:
1.The above crown and bridge restorations all include implant restorations.
2.Anterior full crown and Anterior full crown bridge are suitable but not recommended

Parameters

Light transmittance (%)	48
Final firing density (g/cm^{3})	6.07
Fracture toughness (MPam$^{0.5}$)	6.5
Flexural strength (MPa)	1250
Vickers hardness (HV10)	1310

Other materials List

Hybrid-ceramic

Hybrid-ceramic Disc


Hybrid-ceramic Block

Glass Ceramic

NEW


cameo KrystaFree

PMMA


Denture PMMA

NEW


Monochromatic PMMA


Multi-Layered PMMA


Denture Base PMMA


Transparent PMMA

Hybrid-ceramic

Translucency

HT (High Translucency)
Simulate enamel with high light transmittance

LT (Low Translucency)
Simulate dentin with low light transmit-tance,or mask discolored dental tissue.

Size


Disc Block

Shades

Monochromatic
A1 A2 A3 A3.5 B1 BL

Multi-layered
A1 A2 A3 A3.5 B1

Indications


Veneer | Inlay | Anterior crown | Posterior crown

Parameters

Property	Example Value	Test Condition
Flexural strength	⩾260 MPa	ISO 6872:2015
Fracture toughness	⩾3 MPa · $m^{1/2}$	ISO 6872:2015
Chemical solubility	⩽6.0 μg/cm^2	ISO 6872:2015
Water solubility	⩽0.3 μg/mm^3	ISO 10477:2018
Compressive strength	⩾560 MPa	3mm*3mm*3mm, immersed at 37°C in water for 24 hours
ΔE(Coke)	⩽0.50	Immersed at 37°C in staining solutions for 24 hours
ΔE(Red wine)	⩽2.46	
ΔE(Coffee)	⩽0.47	

cameo KrystaFree

NEW

Flexural strength

380MPa

Size

Block

18X13X15mm
There are different types of bars,
which can match a variety of milling machines.

Shades

Recommended Indications

Onlay | Veneer | Inlay | Anterior crown | Posterior crown

Parameters

Flexural strength (MPa)	380
Thermal Expansivity (25-500°C) (10-/K)	10.5±0.5
Chemical Solubility (ug/cm²)	⩽40
Density (g/cm³)	2.47±0.05

Denture PMMA

NEW

Thicknesses

20/22/25/30/35

Size

Disc

Shades

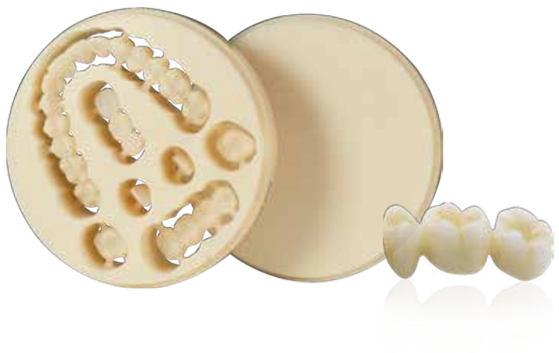
Recommended Indications

Veneer | Inlay | Anterior crown | Posterior crown

Parameters

Performance	Test value	Specified values
Ultimate bending strength	⩾120 MPa	⩾65 MPa
Ultimate modulus of elasticity	⩾2900 MPa	⩾2000 MPa
Water absorption value	⩽25 μg/mm³	⩽32 μg/mm³
Dissolution value	⩽0.2 μg/mm³	⩽1.6 μg/mm³
Residual monomer content	⩾0.5%	⩾2.2%

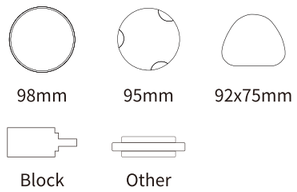
PMMA



Bending Strength

≥120MPa

System



Mono Shade PMMA

Shades

Recommended Indications

Specification

Water Sorption	⩽25[μg/mm³]
Thickness	12/14/16/18/20/22/25/30
Solubility	⩽5[μg/mm³]

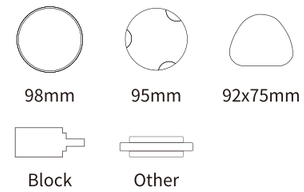
CAD/CAM specialized temporary restoration material, composed of 99% polymethylmethacrylate（PMMA）. With outstanding mechanical and compliance property, structural and shade stability, Mono PMMA can delivery authentic teeth like gloss , translucency, esthetically vivid restoration.

PMMA

Bending Strength

≥120MPa

System



Multi-layer PMMA

Shades

Recommended Indications

Specification

Water Sorption	⩽25[μg/mm³]
Thickness	12/14/16/18/20/22/25/30
Solubility	⩽5[μg/mm³]

CAD/CAM Anterior esthetic temporary restoration material, with revolutionary shade gradience technology, demarcation of shades realization, Multi-layer PMMA satisfies shade gradience from incisal to bottom. Excellent performance, stability, translucency and good bio-compatibility, multi-layer PMMA delivers no-stimulus features to the oral tissues.

PMMA

Bending Strength

≥120MPa

System

98mm 95mm 92x75mm

Block Other

Transparent PMMA

Recommended Indications

Cutting model | Casting | Machinable cast layer

Machinable implant guide | Occlusal splints

Specification

Water Sorption	⩽25[μg/mm³]
Vickers Hardness	⩾25HV1
Burning Residual Monomer	0.0%（2h，500°C）
Solubility Value	⩽1.3ug/mm³
Thickness	12/14/16/18/20/22/25/28/30

Made of 100% organic materials, it is mainly suitable for the manufacture of occlusal splints and other dental instruments. It is also mostly used for cutting models and also used for metal or metal precision.
The basic die-casting application of casting mold manufacturing. The cutting is easy to cut, the filling is accurate and stable, there is no residue after it is burned out at 500 °C; it can be expanded with cold polymer materials and can be heated Solid repair; colorless and has a very high light transmittance, a wide range of clinical applications.

Denture Base PMMA

Bending Strength

≥120MPa

System

98mm 95mm 92x75mm

Block Other

Denture Base PMMA

Shades

P1 P2 P3 P4 P5

Indications

Denture Base

Specification

Water Sorption	⩽25[μg/mm³]
Thickness	20/22/25/30
Residual Momomer	⩽0.50%

CAD/CAM denture base material, providing dental laboratories with an efficient option for making dentures. High degree of polymerization result in fewer monomer residue, less water absorption and dissolution. In addition, bionic fibers added to the material give the denture base a superior aesthetic.

Biomic Stain/Glaze

Aesthetic Kit/Basic Kit/Gum Kit

High Aesthetics

Indications: Zirconia Glass Ceremic

Sintering Chart:

Start temp.	Drying time	Heat rate	Start	End	Final temp.	Holding time	Slow cooling
450°C	8min	55°C/min	450°C	730°C	730°C	1min	-

Biomic

Biomic Gum

Simple to Use

Color Structure

Characteristic

Main color area of gums Intensive area of gums Gum surface feature

Emulate Aesthetics

Before Biomic 2D Effect 3D Effect Final Effect

3D-Transpa & 3D-Value

3D paste can be used to adjust the tooth shape or contact area.
3D-Value can improve the brightness.
3D-Transpa can be mixed with 2D paste to create new 3D effect layer.

Biomic color opaque

NEW

High Opacity

Effectively masks implant abutments and dark abutment while maintaining excellent translucency in the final restoration.

Customizable Shade

The shade and opacity can be adjusted to suit individual cases, meeting personalized requirements.

Low Permeability

Penetration depth is less than 0.15 mm, ensuring no impact on the restoration' s original shade.

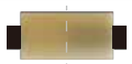
Penetration Protection

Comes with a protective liquid that can be applied to thin areas of the restoration (e.g. cervical margins) to prevent surface penetration.

Aesthetic Shades

With five shades of A, B, C, D, and W, it is applicable to all types and shades of zirconia restorations.

Product Parameter

Shades	A-OP	B-OP	C-OP	D-OP	W-OP
					
Scope of application	A shade restorations	B shade restorations	C shade restorations	D shade restorations	Bleach restorations
Penetration depth (Brush it once)	0.113mm	0.125mm	0.134mm	0.101mm	0.095mm
Effect outside the crown					
Effect inside the crown	 After | Before	 After | Before	 After | Before	 After | Before	 After | Before
The reduction rate of translucency value	31%	30%	33%	28%	24%

Coloring Liquid

Coloring Liquid — soak

SHT 16 color Liquid
A1 A2 A3 A3.5 A4 B1 B2 B3 B4
C1 C2 C3 C4 D2 D3 D4

SHTPW 16+26 color Liquid
A1 A2 A3 A3.5 A4 B1 B2 B3 B4
C1 C2 C3 C4 D2 D3 D4

1M1 1M2
2M1 2M2 2M3 2L1.5 2L2.5 2R1.5 2R2.5
3M1 3M2 3M3 3L1.5 3L2.5 3R1.5 3R2.5
4M1 4M2 4M3 4L1.5 4L2.5 4R1.5 4R2.5
5M1 5M2 5M3

SHT 26 color Liquid
1M1 1M2
2M1 2M2 2M3 2L1.5 2L2.5 2R1.5 2R2.5
3M1 3M2 3M3 3L1.5 3L2.5 3R1.5 3R2.5
4M1 4M2 4M3 4L1.5 4L2.5 4R1.5 4R2.5
5M1 5M2 5M3

Applicable Zirconia

SHTW/HTW

SHTPW

SHTW

Opaque Liquid — Paint

Colors

Low opaque style
Medium opaque style
High opaque style

All zirconia materials

Incisal color liquid

Colors

T1
T1c
T1-SHTPC

Applicable Zirconia

SHTW, HTW, SHTPW
SHTC
SHTPC

Magic color liquid

Colors

T1 G1 G2 G3
O1 O2
P1 P2 P3

Applicable Zirconia

SHTW

Indecators

3D Printing Dental Resin

Dental Model

As a high-accurate resin, Aidite model resin has high dimensional stability and easy to print.With its unique almond color, it is easy to find the margin lines and anatomical morphology.

- High molding accuracy
- High dimensional stability
- Scratch resistance
- Low viscosity
- Excellent surface detail
- Color: Almond Yellow Gray Light-gray

MODEL T

Model T is designed for model printing with thermoforming technology. The printed model has ultra-high hardness and high temperature resistance, suitable for restorative and orthodontic models.

- High temperature resistance
- High edge strength
- Good intrinsic stability
- Easy thermoforming release

Surgical Guide

Surgical Guide is the most accurate and durable material for creating implant guide efficiently, representing state-of-the-art technology worldwide. With high flexural strength and modulus vs competitors, the guide can effectively resist pressure without deformation during the surgery.Plus, biocompatible resin further offers a superior patient experience.

- High precision
- High mechanical stability
- Biocompatible
- High temperature steam sterilisation

Denture Base

The unique formula of the material can ensure that the denture is stable for a long time without deformation. Displays high mechanical flexural strength without becoming brittle. Colour stability, odorless and tasteless. High aesthetic thanks to brilliant and long-lasting polish surface effect. MMA-free, medical device Class lla.

- Very high surface quality, easy to polish
- Extremely low deformation values
- High wearing comfort
- No irritating odor, tasteless

Crown Bridge

3D printing crown bridge resin is Class II a medical devices with good biocompatibility. The addition of special fillers ensures that the restorations will not be worn during long-term use in the mouth, and the excellent wear resistance and stable color makes the restoration have a longer service life.

- Excellent Stain Resistance
- Highest fracture stability during the entire wearing time
- Excellent wear resistance

TEMP

Exceptional breaking and flexural resistance. Natural tooth esthetics, brilliant,translucent colors. Easy surface processing and polishing. Resistant to oral conditions, no odour or taste irritations.

- Stability even in limited layer thicknesses thanks to high flexural strength
- Easy and efficient processing
- Excellent polishability and intraoral repairability
- Economical fabrication of temporaries

3D Printing Dental Resin

Gingival

The special resin gingiva has been designed for the production of functional gingival model segments in a digital workflow using 3D printing technology. Excellent elasticity and tear-resistance. Due to excellent dimensional stability, ductile even when stored over a long period. No irritating odors from fabricated gingival masks.

Good elasticity and tear resistancee

Excellent moulding stability

No irritating odour

Splint

Clear-transparent formulation and easy post-processing for visual control in the work area. High initial hardness enables process reliability. Low- deformation approach for high accuracy of fit. Patient comfort due to odourless and tasteless.

Flexible and fracture-resistant

Easy and efficient processing

Excellent polishability and intraoral repairability

Economical fabrication of temporaries

CAST

Developed specifically for investment casting, it is suitable for dental casting applications such as crowns, Bridges and partial dentures. The model has high precision, fine surface and is not easy to deform.

High temperature fusible

Small deformation

Biomic Color Palette

· Precise color adjustment
· Customized colors for palette
· Small but fully equipped

Biomic Color Palette

· Our palette is made of porcelain, which can avoid paste pollution. It includes a large number of holes, which can meet the needs of dyeing technicians to use a large number of colors. The shapes of holes can also meet the diverse needs of the technicians to hold paste, hold diluent and mix colors.

Biomic Electric Mixer

· Better mixing effect
· Convenient and efficient

Zirconia Shade Guide

3D pro/Aizir/Ezneer

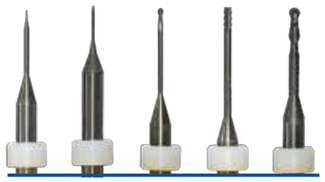
· Made of zirconia,the color choice of the restoration has never been so accurate.

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、Roland、Wieland、Mini、Zirkon、Zahn、Manual、Amann、Girrbach、Automatic.

Milling burs are necessary tools for your milling machine.
Extend the lifetime of your milling tools and increase the number of milled units.

AMD-500/AMD-500E/AMD-500S/AMD-500DCs



Zirconia

- 0.3-4.0-50-R
- 0.6-4.0-50-R
- 1.0-4.0-50-R
- 1.5-4.0-50-F
- 2.0-4.0-50-R

AMW-400S/AMW-400

Glass ceramic

- 0.6-6.0-50-R
- 1.0-6.0-50-R
- 2.5-6.0-50-R

Metal

- 1.0-6.0-50-R
- 1.5-6.0-50-R
- 3.0-6.0-50-R

AMW-520

Zirconia

- 0.3-4.0-50-R
- 0.6-4.0-50-R
- 1.0-4.0-50-R
- 1.5-4.0-50-F
- 2.0-4.0-50-R

Glass ceramic

- 0.6-4.0-50-R
- 1.0-4.0-50-R
- 2.5-4.0-50-R

Metal

- 1.0-4.0-50-R
- 1.5-4.0-50-R
- 3.0-4.0-50-R
- 2.0-4.0-50-R

PMMA

- 0.6-4.0-50-R
- 1.0-4.0-50-R
- 2.0-4.0-50-R
- 3.0-4.0-50-R

CMD-500

Zirconia

- 2.0-4.0-50-R
- 1.0-4.0-50-R
- 0.6-4.0-50-R
- 0.3-4.0-50-R
- 1.5-4.0-50-F

PMMA

- 0.3-4.0-50-R
- 0.6-4.0-50-R
- 1.0-4.0-50-R
- 1.5-4.0-50-F
- 2.0-4.0-50-R

CMW-400

Glass ceramic

- 0.6-4.0-37-R
- 1.0-4.0-37-R
- 1.5-4.0-37-R
- 2.5-4.0-37-R

Metal

- 1.0-4.0-37-R
- 1.5-4.0-37-R
- 2.5-4.0-37-R

PMMA

- 0.6-4.0-37-R
- 1.0-4.0-37-R
- 2.0-4.0-37-R

Polishing Tools

Dental Grinding and Polishing Bur

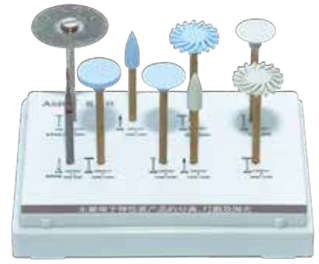
Applicable materials: Zirconia and Glass Ceramic

Dental grinding and polishing bur kit list

Code	GB0502Z	GB0501Z	GB0101ZG	GB0204ZG	PB0205ZG	PB0204ZG
Size	0.9*4mm	2.3*16mm	22*0.3mm	16*1.5mm	19*2mm	12*2mm
Grit	Cross cut fine	Cross cut fine	***	Mid-Coarse	Mid-Coarse	Mid-Coarse
Recommended R.P.M:	20000-35000/min	20000-35000/min	3000-5000/min	15000-30000/min	15000-25000/min	15000-25000/min
Product usage	1. Separate the soft zirconia connector before sintering 2. Modify the soft zirconia surface texture	Cutting the soft zirconia connector before sintering	1. Cutting connector of hard zirconia, glass ceramic and press ceramic sprue 2. Adjust the embrasure	1. Adjust the tooth shape of anatomy 2. Adjust the margin thickness 3. Adjust the occlusal and proximal area	1.Finely grind the margin thickness and length 2.Finely adjust the occlusal surface and incisor edge of anterior teeth	

Code	PB0203ZG	GB0301ZG	GB0402ZG	GB0406ZG	PB0101ZG	PB0401ZG
Size	5*12mm	5*12mm	1.4*1.1mm	1.2*8mm	6*16mm	26*3mm
Grit	Mid-Coarse	Fine	Mid-Coars	Mid-Coars	Coarse	Ultra Fine
Recommended R.P.M:	15000-25000/min	20000-35000/min	20000-35000/min	20000-35000/min	15000-30000/min	10000-20000/min
Product usage	1. Finely grind the the margin thickness and length 2. Finely grind the surface texture , occlusal surface and incisor edge		Adjust the surface structure and nodules	1.Adjust the marginal ridge of the outer shape 2.Modify the the surface texture	Polish the denture surface profile	For high polishing (can reach the same brightness like glaze)

Polishing Tools



Hybrid-ceramic Grinding and Polishing Set

Applicable materials: Hybrid-ceramic

Dental grinding and polishing bur kit list

Code	GB0101ZG	GB0502Z	GB0101H	GB0102H	GB0103H	GB0104H
Size	0.9*4mm		12*2mm	4*12mm	12*2mm	14*2mm
Grit	Cross cut fine	***	Mid- Coarse	Mid- Coarse	Mid- Coarse	Mid- Coarse
Recommended R.P.M:	20000-35000rev/min	3000-5000rev/min	12000-15000rev/min	12000-15000rev/min	12000-15000rev/min	10000-12000rev/min
Product usage	1.Separate the restoration from the block	1.Separate the restoration from the disc	1.Grind off the sprue	1. Adjust the tooth shape of anatomy 2. Adjust the margin thickness 3. Adjust the occlusal and proximal area		

Code	PB0201H	PB0202H	PB0301H
Size	4*12mm	12*2mm	14*2mm
Grit	Fine	Fine	Fine
Recommended R.P.M:	12000-15000rev/min	12000-15000rev/min	10000-12000rev/min
Product usage	1.Trim the grinding marks to make the surface of the restoration more fine		1.Make the surface more brilliant

Milling Machine

AMM-580

AMM-580 Milling machine

AMM-580 is a special implants milling machine, which can process implant bars, screw-retained bridges, custom abutment , etc. with stable structure and high machining precision.

High precision spindle
Maximum speed 60,00rpm
Shank diameter 6mm

Tool magazine
25 tool magazines design
Various implants processing types

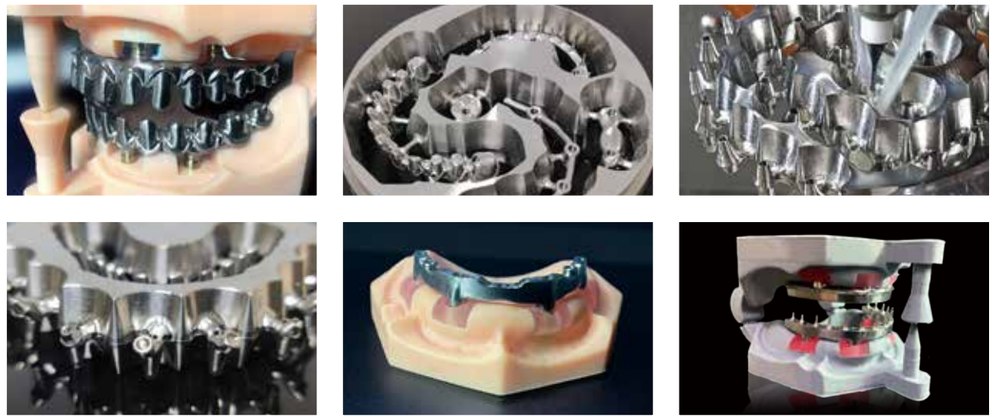
Tool life management
Real-time recording of tool usage time
Intelligent prompt tool replacement

Aviation cast aluminum platform
Stable structure
Smooth operation

Large angle machining
Rotation angle A-axis: 360° B-axis: -110°, +30°
Fine processing of bridge undercut

High precision servo system
Higher machining accuracy
Stable precision control

Machinable Application



Parameters

Category	AMM-580
Number of axis	Five axis
Processing type	Crown / Bridge ,Implant bar ,Screw-Retained Bridge ,Abutment ,locator
Milling mode	Wet&Dry
Millable material	Titanium disc，Cobalt Chrome，Premill，Glass ceramic，PEEK，PMMA
Material thickness	10-25mm
Fixture	98mm/Block
Repeat positioning accuracy	±5um
Linear drive system	High precision linear guide slide block
Rotary drive system	High precision reducer
External dimensions	750X1765X875mm
Weight	500KG
Tool number	25
Stroke	X,Y,Z axis：320*120*130mm A-axis：360° B-axis：-110°，+30°
Spindle	Power: 2.5kw Cooling method: water cooling
	Speed :60000rpm Chuck size :6mm
Input	Power supply :AC220V 50Hz 60Hz
	Power :3.8kw Air pressure :0.6-0.8MPa

Milling Machine

NEW

AMD-500E

Dry

AMD-500E Highlights:

Dust cover made by one-piece silicone

New digital intellectual system

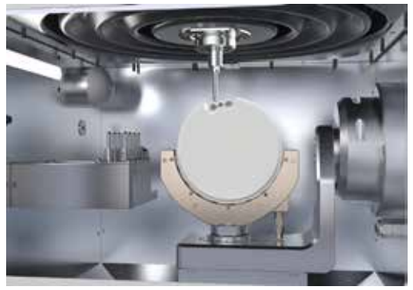
Exquisite processing of front teeth

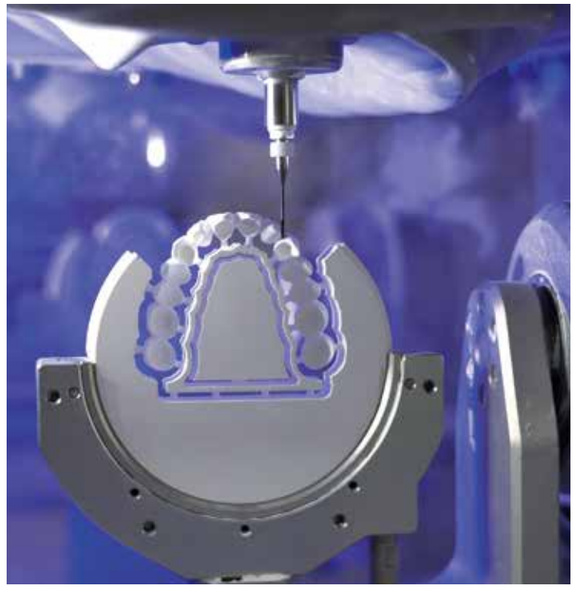
Multiple Fixture,Fast Switch

Modular Structure Design

All-in-one air cast

Detail Effect





Parameters

Category	AMD-500E
Platform	Aviation cast aluminum
Equipment size	520X685X757（mm）
Process method	Dry mill
Tool number	8
Fixture	Secondary fixture /98disk（optional） /Block（Optional）
Spinde	Air Cooling
	Max：60000RPM 500W 4mm Chuck
Machining angle	A Axis：+135°，-30° B Axis：360°
Processing thickness	10-35mm

Category	AMD-500E
Millable material	Zirconia，PMMA，WAX,PEEK,HPP, Soft Metal
Machining type	Single Crown，Bridge，Veneer，Inlay， Abutment Crown，Full Contour Screw Retained Bridge, Denture (optional)
CAM software	Open CAM System
90° buccal side machining	√
Dust proof	Integrated silicone
90°buccal side machining	√
Machining time	Single Crown<10min，Bridge＜3h

Milling Machine

NEW

AMD-500S

Dry

AMD-500S Highlights:

Machine Maintenance Tips

Safety Door

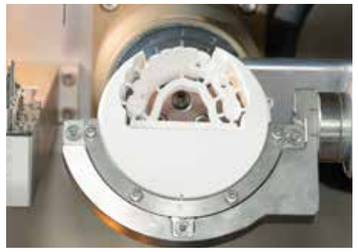
One-piece SiliconeDust-proof

Automatic calibration

Large Angle Processing/
90° Processing

Tool Life Management

Detail Effect



Parameters

Category	AMD-500S	Category	AMD-500S
Platform	Aviation cast aluminum	Millable material	Zirconia，PMMA，WAX,
Equipment size	590x730x820（mm）		PEEK,HPP,Soft Metal
Weight	180kg	Machining type	Single Crown，Bridge， Veneer，Inlay，Abutment Crown， Full Contour Screw Retained Bridge
Process method	Dry mill		
Tool number	10	CAM software	Open CAM System
Fixture	Secondary fixture /98disk（optional） /Block（Optional）	90° buccal side machining	√
		Safety door	√
Spinde	Water Cooling	Tool life management	√
	Max：60000RPM 1500W 4mm Chuck	Working Status Indicator	√
		Flow detection function	×
Machining angle	A Axis：±360° B Axis：+30°，-90°	Lon wind cleaning function	×
Processing thickness	10-30mm		

Milling Machine

NEW

AMW-400S

Wet

AMW-400S Highlights:

Water tank

Processing material quantity

One-piece silicone dustproof

Aviation cast aluminum platform

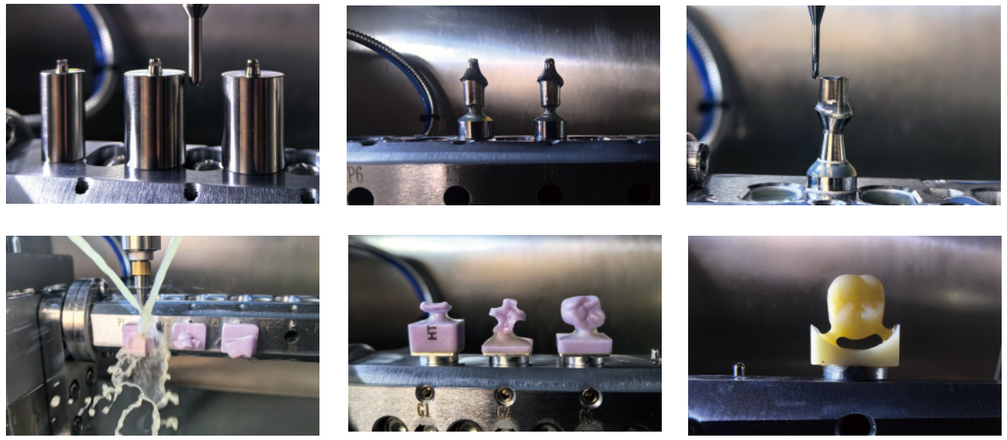
Custom abutment reverse grip milling

Harmonic drive

High precision lead screw

Spindle detection

Machinable Application



Parameters

Category	AMW-400S
Platform	Aviation cast aluminum
Size	590x730x820（mm）
Processing method	Wet milling
Tool number	10 Pieces
Waterproof	One-piece silicone, good waterproof and airtight
Fixture	Block material fixture /reverse gripper fixture
Machinable material Thickness	6 glass ceramic, 6 premill
Processing angle	B axis：360°
Motor	Bus servo and motor

Category	AMW-400S
Processed material	Premill, glass ceramics, PMMA and other wet milling block materials
Processing type	Crown and bridge, inlay, veneer, screw-retained crown, custom abutment
Nesting cam software	Open
Air pressure	⩾6Bar
Function	Tool life management Working Status Indicator Safe door Flow detection function 90° vertical processing
Spindle	Water cooling MAX:60000RPM AC 1500W 6mm collet
Processing time	Premill⩽15min glass ceramic⩽20min

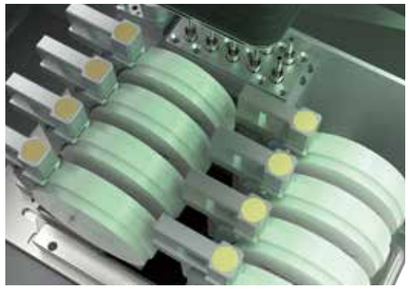
Milling Machine

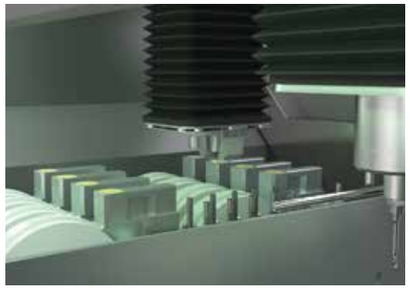
AMD-500DCs

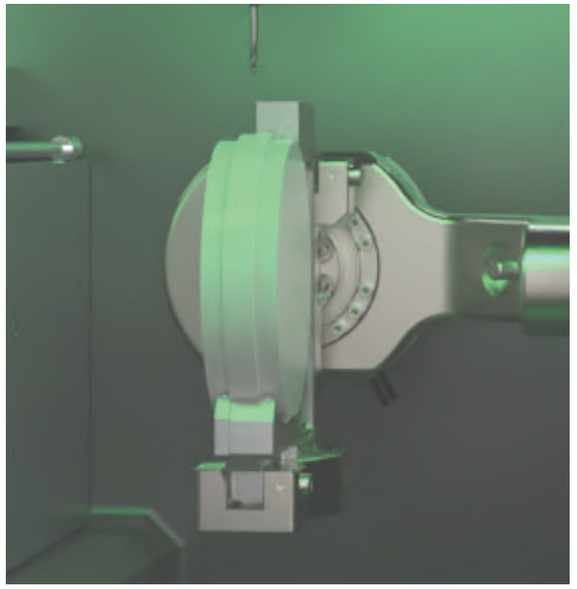
AMD-500DCs Highlights:

- Modular structure
- Safety Door
- One-piece silicone dustproof
- Intelligent automatic fixture identification
- Control System
- Tool Life Management

Detail Effect







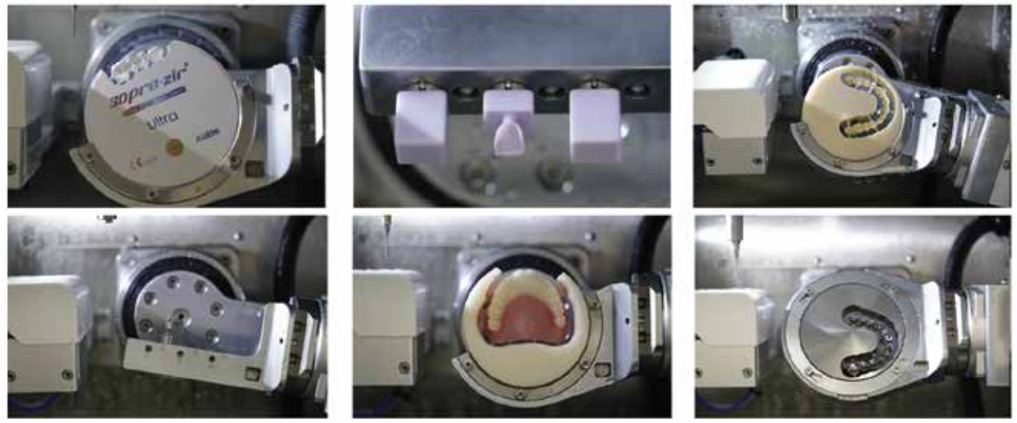
Parameters

Category	AMD-500DCs	Category	AMD-500DCs
Platform	Aviation cast aluminum	Millable material	Zirconia，PMMA，WAX，PEEK,HPP,Soft Metal
Equipment size	826x793x835（mm）		
Weight	175kg	Machining type	Single Crown，Bridge，Veneer，Inlay，Abutment Crown，Full Contour Screw Retained Bridge
Process method	Dry mill		
Tool number	10	CAM software	Open CAM System
Fixture	C-type fixture /C-type secondary fixture	90° buccal side machining	√
		Safety door	√
Spinde	Air Cooling	Tool life management	√
	Max：60000RPM 1500W 4mm Chuck	Working Status Indicator	√
		Flow detection function	×
Machining angle	A Axis：±28°	Lon wind cleaning function	√
	B Axis：±360°	Intelligent fixture recognition function	√
Processing thickness	10-30mm		

AMM-520 Pro

Wet & Dry Milling machine

NEW



Number of axes	5 axes
Milling mode	Wet and dry
Processing type	Crown/bridge, veneer, inlay, customer abutment, implant superstructures (optional module of CAM software), implant bar clip (optional module of CAM software), sc ew-retained bridge (optional module of CAM software), complete denture, occlusal splint, partial denture framework
Millable material	Zirconia, PMMA, Glass ceramic, Premill, PEEK, Titanium disc, CoCr, Composite material
Material thickness	10-35mm (Disc)
Accessories	Work table, water cooler, water tank
Repeat positioning accuracy	±5um
Linear drive system	Linear guide and lead screw
Rotary drive system	Harmonic reducer
Clamping system	Zero-point clamping system
Control system	Embedded CNC system and AC bus servo motor
Machine size	590×730×820 (mm)
Machine weight	180kg
Tool changer	18 detachable modular design
Standard fixture	Disc fixture,C type fixture and block fixture
Processing time	Single crown ≤15min, Premill ≤20min Glass ceramics≤20min, full denture≤1.5h
Travel	XYZ axis:180X110x100 (mm) A-axis:±361° B-axis:±30°
Spindle	Power: AC 2500W Cooling: water cooling Speed: 60000rpm Chuck size: Φ6 mm
Input	Power supply: single-phase AC 220V 50/60Hz Voltage Power: 3KW 15A Air pressure: 6Bar

Modular Structure

Safety Door

One-piece silicone dustproof

ZERO point system

Implant processing

Harmonic drive

Various fixtures (optional)

High precision lead screw

Spindle

Customized Abutment Reverse

Milling Machine

CMM-600

Wet Dry

Automatic Drying
Equipped with automatic cleaning and drying functions, making cleaning easy.

Modular Structure
Designed with a modular structure for efficient maintenance.

Quick-change Fixture
Simple and fast with high precision.

Safety Door Opening
the door during operation will stop the machine to ensure safe operation.

Milling Machine

AMD-500E Pro

NEW

Dry

Dust cover made by one-piece silicone

New digital intellectual system

Exquisite processing of front teeth

Multiple Fixture, Fast Switch

Modular structure design

All-in-one air cast

Zirconia Rapid Sintering Furnace

CSF-400

Zirconia rapid sintering furnace

Fast sintering rate, Large number of sintering, Good sintering effect, safety
Efficient and intelligent, more than that
The pursuit of the ultimate in sintering effect, constantly
updated in intelligent applications

Fast sintering rate
only need 30 mins to sinter a single crown

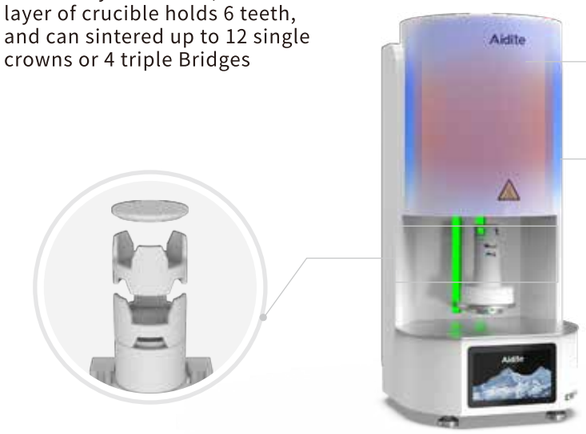
Various sinterable materials
Suitable for cameo self-developed Aizir, 3D Pro zirconia material, self-developed fast sintering zirconia

Custom sintering curve
4 custom sintering curves, 4 preset sintering curves, can be freely adjusted to meet different needs

Various sinterable materials
Sintered up to 12 single crowns (double crucible, 6 teeth per crucible)

Large number of sintering

Double-layer crucible, each layer of crucible holds 6 teeth, and can sintered up to 12 single crowns or 4 triple Bridges



Safety

The temperature in the furnace can reach 1580°C

Furnace wall temperature⩽ 60°C

The heat insulation effect of the furnace is good, and the maximum temperature of the shell is not more than 60°C

Parameters

Category	CSF-400
Size	Φ75×275mm
Dimensions	468mm×360mm×785mm
Net weight	65kg
Power supply	220-240V， 50/60Hz，16A
Rated Power	3.5KW
Double-walled	Per floor Each layer of crucibles has 6 single crowns/2 triple bridges
Number of curves	Preset 4 / Custom 4
Temperature Range	Room temperature -1580°C
Accuracy of constant temperature	⩽±1°C
Thermo couple	Type B
Heating elements	Silicon carbide rod
Heating Rate	⩽150°C/min
Hearth material	Corundum mullite
Crucible material	Corundum

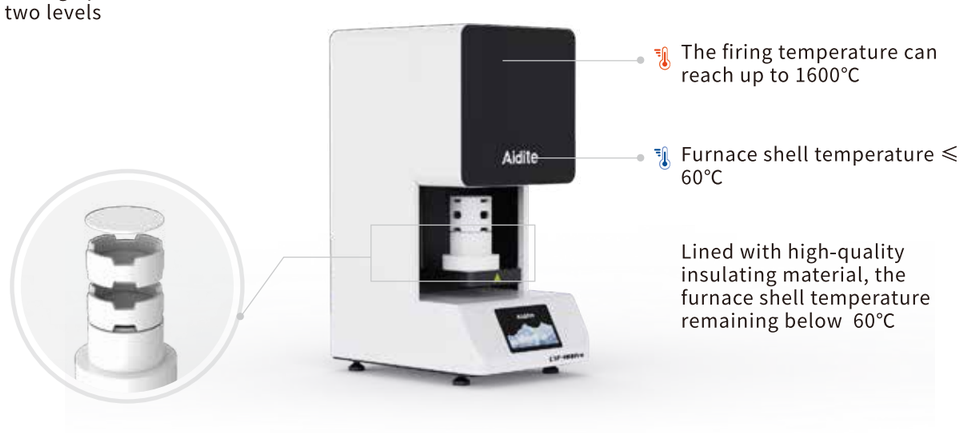
Zirconia Fast Sintering Furnace

NEW

CSF-400 pro

High-capacity sintering

Sintering up to 60 units stacked in two levels



Safety

The firing temperature can reach up to 1600℃

Furnace shell temperature ⩽ 60℃

Lined with high-quality insulating material, the furnace shell temperature remaining below 60℃

Efficient and intelligent beyond expectations

Pursuing excellence in sintering performance and intelligent applications

High-quality cooling system
low shell temperature and screen-off cooling

Lifting mechanism
mechanical self-locking with long service time

High-performance silicon molybdenum rod
new-type silicon molybdenum rod, individually exchangable

Minimized learning and maintenance costs
features integrated operation guidance, fault alarms, and maintenance instruction systems

Fast sintering speed
with rapid sintering speed,the heating rate from room temperature to 1000°C can reach up to 150°C/min， enabling long bridges to be sintered in 4.8hours

No leveling required and highly sealed
equipped with a flexible lifting platform

Various sinterable materials
gentle sintering for all Aidite materials

Custom sintering curves
preset 13/ User-defined 3

Parameters

Category	CSF-400Pro
Chamber	Φ 110X110mm
Dimension	516X385X816mm
Net weight	77.5kg
Power supply	220-240V，50/60Hz，16A
Rated power	3.5KW
Sintering capacity	60 single crowns
Number of curves	Preset 13/ User-defined 3
Temperature range	Room temperature -1600°C
Temperature accuracy	⩽±1°C
Thermocouple	Type B
Heating element	Silicon molybdenum rod
Heating rate	50°C/min
Chamber material	Corundum mullite
Crucible material	Corundum

Zirconia Fast Sintering Furnace

CSF-200

CSF-200 Highlights:

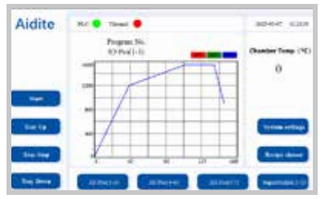
The furnace can be opened at 900°C

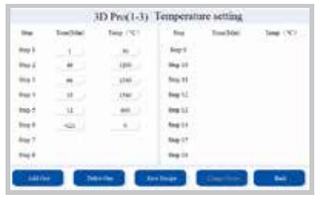
With Firing Interruption Protection

Status Monitoring

One-key start

UI Interface





High Purity Silicon Carbide elements

	Color	ΔL	Δc	Δh
Ten times sintering	A3	0.7	0.7	0.6
Two hundred times sintering	A3	0.7	0.6	0.6

Note：△L value stands for brightness △c value stands for chroma △h value stands for tone

Parameters

Category	CSF-200S	CSF-200L
Size（L*W*H）	330*470*700mm	370*510*780mm
Furnace size	Φ70*H80mm	Φ100*H120mm
Net weight	37.5kg	50kg
Power supply	220-240V 50/60Hz	220-240V 50/60Hz
Rated power	1.5kw	2.5kw
Heating element	3 silicon carbide rods	4 silicon carbide rods
Sintering Options	Fast sintering Slow sintering	Fast sintering
Fastest sintering time	2.5h	3h
Number of sinteredcrowns(Max)	30	70
Sintering curve	30	30

Zirconia Fast Sintering Furnace

AGT-L/AGT-S

Ten times sintering

Two hundred times sintering

AGT-L/AGT-S Highlights:

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

The material can be sintered directly without drying before.

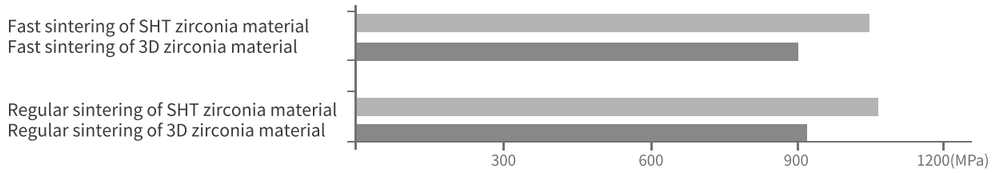
The material can be sintered directly without drying before.

Accuracy of constant temperature is ±1°C.

Remarkable energy saving effect.

Excellent sintering effect.

Effect of fast sintering on strength and translucency of zirconia material



	Translucency of SHT（A2）	Translucency of 3D first layer（A2）	Translucency of 3D sixth layer（A2）
Cameo Sic fast sintering furnace	46.0%±0.5%	57.0%±0.3%	42.9%±0.6%
Aidite regular sintering furnace	45.5%±0.0%	57.0%±0.5%	43.0%±0.3%

Fast sintering causes no adverse effects on the strength and translucency of zirconia material.

Parameters

Category	AGT-S	AGT-L
Size	580X330X700mm	590X350X700mm
Furnace size	Φ90*H100mm	Φ110*H100mm
Net weight	40kg	45kg
Power supply	220V/50Hz	220V/50Hz
Rated power	2.5kw	2.5kw
Heating element	3 silicon carbide rods	3 silicon carbide rods
Sintering options	Fast sintering Slow sintering	Fast sintering Slow sintering
Fastest sintering time	2.5h	3.5h
Number of sintered crowns（Max）	30	70
Sintering curve	20	20

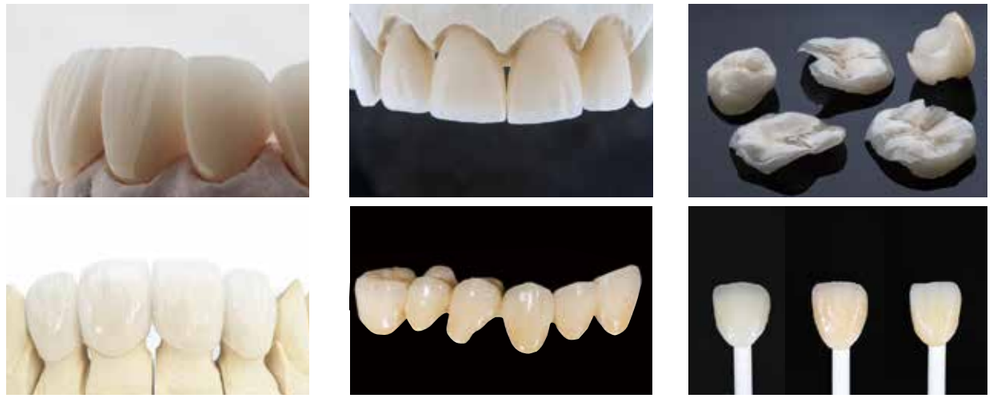
Porcelain Furnace

CFP-200

CFP-200 Highlights:

- Curve management
- Touch screen and program
- Firing Cooling system
- AI intelligent Temp. control
- Tool box
- One button sleep/wake

CFP-200 Vacuum Sintering Program



Parameters

Category	CFP-200
Dimensions	362×316×596(mm)
Weight/Package	28kg/34kg
Temperature increase rate	1~100°C/min
Chamber dimensions	95mm×65mm
Heating unit	Spiral quartz tube & Nickel-chromium wire
Model	CFP-200
Voltage	220V/110V AC 50/60Hz
Max temperature	1100°C
Vacuum	Vmax= 95%
Temp Accuracy	±1°C
Cooling	Fans cooling
Warranty	1year
Power	1.5KW
Furnace structure	Tray elevator
Temp. control system	AI intelligent Temp. control

*Built-in Biomic sintering program、cameo Glass Ceramic crystatizing programs

3D Printer

NEW

EZPRINT -P1

EZPRINT-P1 Highlights:

Stable Light Source

Accurate printing

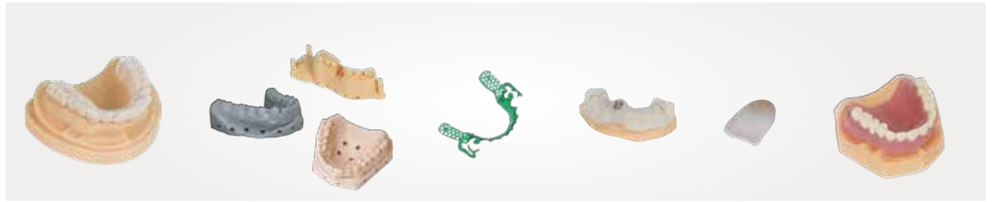
Heating Module

Comprehensive Dental Applications

Extraordinary speed

Oral Scanner Interconnection

Applications



Splint | Implant/Restoration Model | Cast | Surgical Guide | Veneer | Denture

Composite Ceramic Crown | Temporary Crown/Bridge | Orthodontic Model | Try-in | Gingiva

Parameters

Category	EZPRINT-P1
Technology	DLP
Structure size (XYZ)	144mmX81mmX130mm
Accuracy	30μm
Resolution	75μm
Layer thickness	0.05mm-0.1mm
Printing speed	36-72mm/h(Related to the layer thickness)
Heating temperature	20°C-35°C
Data	STL
Wavelength	405nm UVLED
Voltage	100-240V(50/60Hz)
Power	⩽220W
Weight	35kg

3D Printer

NEW

EZPRINT -F1

EZPRINT-F1 Highlights:

Overall uniform lighting

Ultra high precision

Easy to use

Efficient production

Applications

Splint | Implant/Restoration Model | Cast | Surgical Guide

Temporary Crown/Bridge | Orthodontic Model | Try-in | Gingiva

Parameters

Category	EZPRINT-F1
LCD Screen	9.6-inch 16K high-transparency screen
Light Source System	405nm COB light source + Fresnel lens
Build Volume	211X118X100mm
Resolution	15120X6230
Pixel size	14X19μm
Layer Height	0.05-0.1mm
Printing Speed	Max. 60mm/h
Chamber heating	Temperature range 20-35°C
Printing Platform	Quick-release design, surface sandblasting and oxidation treatment
Printing Tank	Quick-release design, ACF high-speed release film
Touch Screen	5-inch color screen
File Format	STL，OBJ
Data Transmission	USB，WIFI