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YUCERA

TECHNOLOGY INNOVATION
PEOPLE ORIENTED
CONCENTRATING ON R&D



METAL ADDITIVE SOLUTIONS



Dental Zirconia Block

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CONTENTS



Shenzhen Yurucheng Dental Materials Co.,Ltd

Dental Zirconia Block



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20 YEARS

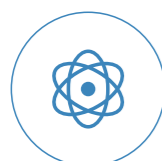
Excellent anti-aging properties
STRONG INTENSITY FOR OVER 20 YEARS

Shenzhen Yurucheng Dental Materials Co.,Ltd

Digital Dental Solution



Dental Material Dental Equipment



R&D



Production



Sales



Service

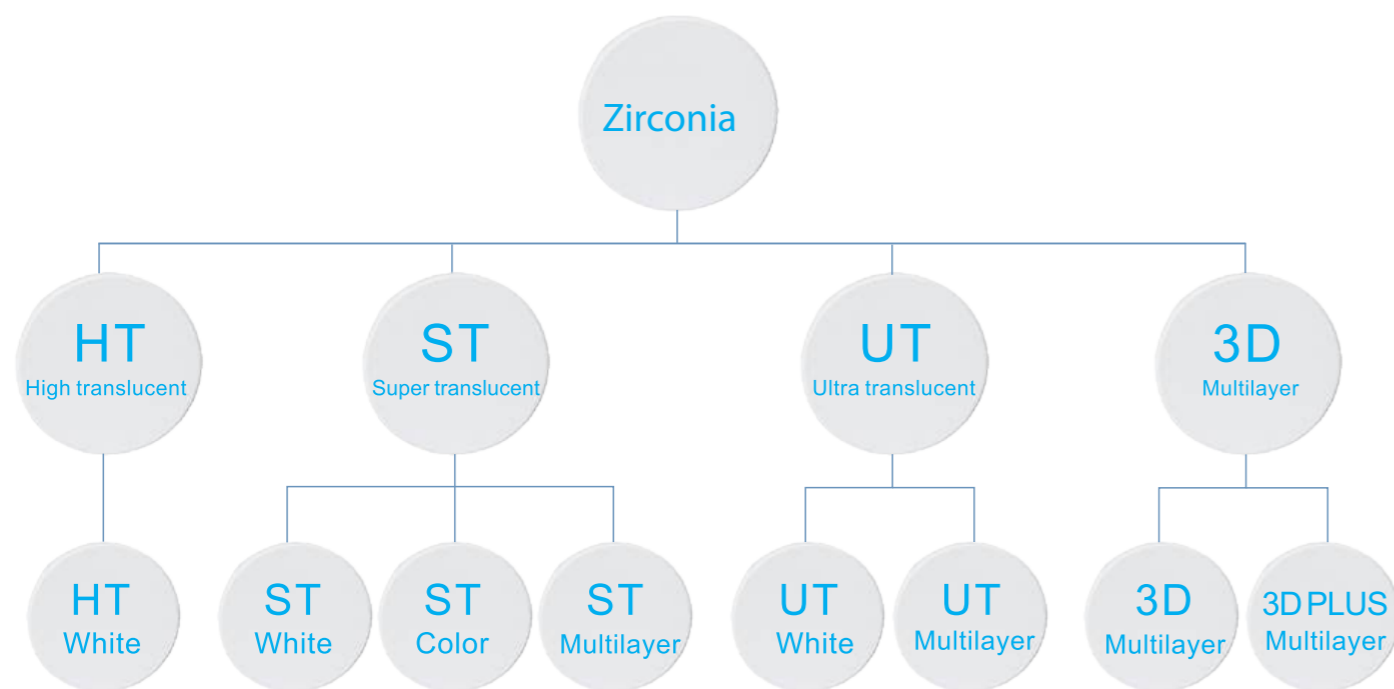
Who are we?

Located in Shenzhen special economic zone, Shenzhen Yurucheng Dental Materials Co., LTD is a comprehensive enterprise specializing in developing, manufacturing and marketing of Dental Zirconia Block.

Yurucheng Cherish principles of technology innovation and people-oriented, concentrating on R&D, dedicating itself to provide more professional, better quality and safer product for oral patients.



PRODUCT SERIES



Technical team



Yurucheng has a strong professional technical team, 60% of its members are senior professional biological experts and intelligent CNC experts. Also, Yurucheng cooperate with many famous Chinese institutes to introduce advanced production technology from home and abroad.

International cooperation



Yurucheng establish cooperation with many large denture processing center and oral hospitals, get outstanding performance in the field and earn good reputation among technicians and patients.

Product equipment



Our main products are ceramic denture zirconia block, corresponding CAD/CAM equipment, 3D printing equipment and other related oral products. As professional oral materials supplier, we can provide digital dental materials, dental equipment, dental software and full range of digital products and services.

Zirconia Block Introduction

Customized and OEM Orders Available



Open System

MODEL	SIZE	MATERIAL
D98-10	Φ98×10 mm	HT/ST/UT
D98-12	Φ98×12 mm	HT/ST/UT
D98-14	Φ98×14 mm	HT/ST/UT
D98-16	Φ98×16 mm	HT/ST/UT
D98-18	Φ98×18 mm	HT/ST/UT
D98-20	Φ98×20 mm	HT/ST/UT
D98-22	Φ98×22 mm	HT/ST/UT
D98-25	Φ98×25 mm	HT/ST/UT



Amann Girschbach System

MODEL	SIZE	MATERIAL
89-71-10	89×71×10	HT/ST/UT
89-71-12	89×71×12	HT/ST/UT
89-71-14	89×71×14	HT/ST/UT
89-71-16	89×71×16	HT/ST/UT
89-71-18	89×71×18	HT/ST/UT
89-71-20	89×71×20	HT/ST/UT
89-71-22	89×71×22	HT/ST/UT
89-71-25	89×71×25	HT/ST/UT

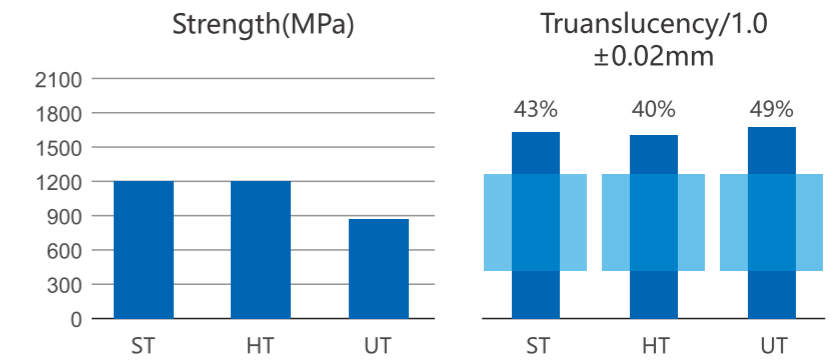


Zirkon Zahn System

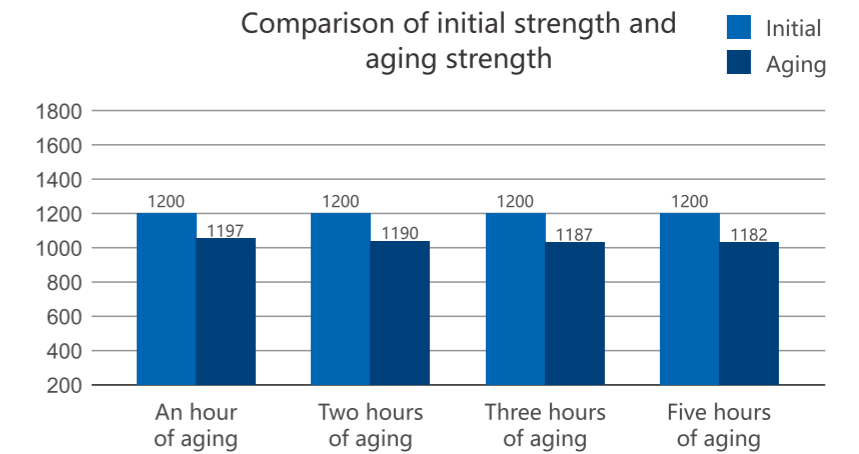
MODEL	SIZE	MATERIAL
D95-10	Φ95×10 mm	HT/ST/UT
D95-12	Φ95×12 mm	HT/ST/UT
D95-14	Φ95×14 mm	HT/ST/UT
D95-16	Φ95×16 mm	HT/ST/UT
D95-18	Φ95×18 mm	HT/ST/UT
D95-20	Φ95×20 mm	HT/ST/UT
D95-25	Φ95×25 mm	HT/ST/UT



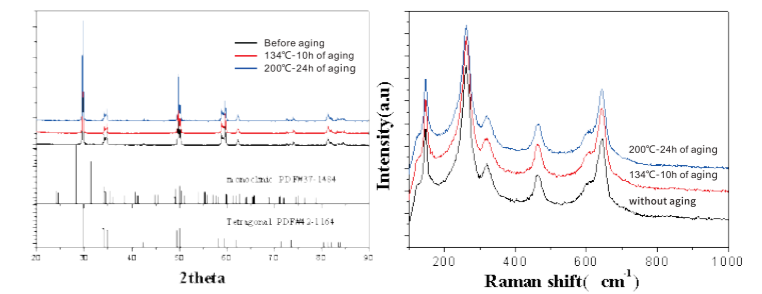
Physical Characteristics



Comparison of initial strength and aging strength



XRD and Raman shift shows that before and after aging test Zirconia is very stable without changes.





HT Zirconia Block

- High translucent
- Brilliant bending strength and economical Block
- Suitable for coping ,framework

Indications



Physical Characteristics

Sintered density	6.07±0.03g/cm ³
Bending Strength	≥1200MPa(Av.)
Transmittance	40%
Hardness	1200HV
Sintering temperature	Recommend 1530°C



ST Zirconia Block

- Super translucent
- Suitable for full contour crown , bridget and anterior

Indications



Physical Characteristics

Sintered density	6.07±0.03g/cm ³
Bending Strength	≥1200MPa(Av.)
Transmittance	43%
Hardness	1200HV
Sintering temperature	Recommend 1530°C

BLEACH





UT Zirconia Block



- Ultra translucent
- Suitable for veneer, coping, bridge

Indications



Physical Characteristics

Sintered density	6.07±0.03g/cm ³
Bending Strength	≥600MPa(Av.)
Transmittance	49%
Hardness	1200HV
Sintering temperature	Recommend 1450°C



ST Color Zirconia Block



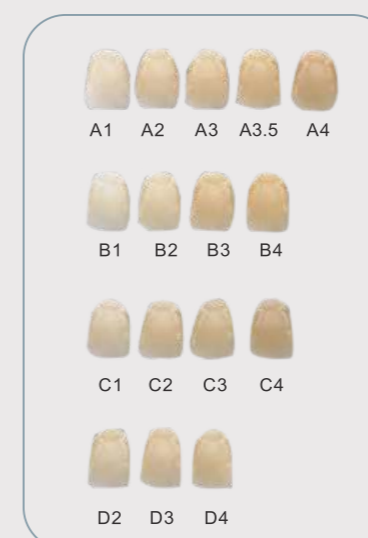
- Pre-shaded technics
- Uniform color
- Without post dyeing process
- Suitable for full contour crown, bridge and anterior

Indications



Physical Characteristics

Sintered density	6.07±0.03g/cm ³
Bending Strength	≥1100MPa(Av.)
Transmittance	43%
Hardness	1200HV
Sintering temperature	Recommend 1530°C





SHT Multilayer Zirconia Block

- Multilayer color
- No need for further dyeing operation
- Suitable for anterior, crown and bridge

Indications



Physical Characteristics

Sintered density	6.07±0.03g/cm ³
Bending Strength	≥900MPa(Av.)
Transmittance	46%
Hardness	1200HV
Sintering temperature	Recommend 1500°C



UT Multilayer Zirconia Block

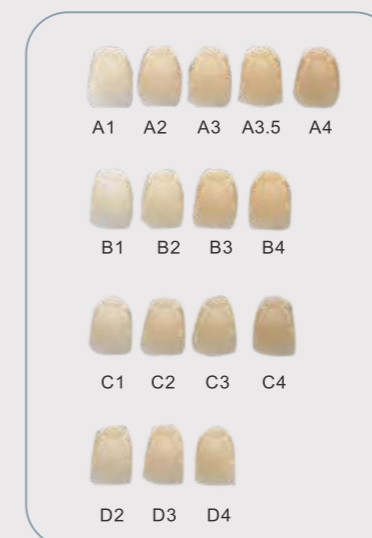
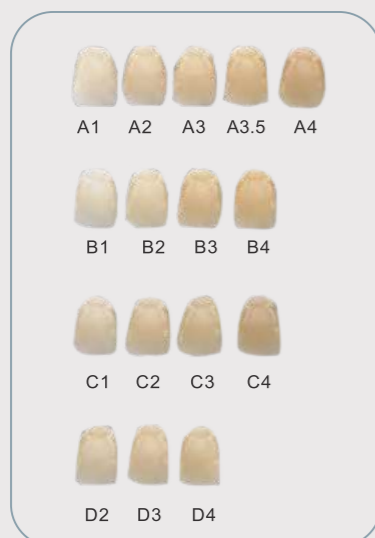
- Pre-shaded technics
- Uniform color
- Without post dyeing process
- Suitable for full contour crown, bridge and anterior

Indications



Physical Characteristics

Sintered density	6.07±0.03g/cm ³
Bending Strength	≥600MPa(Av.)
Transmittance	49%
Hardness	1200HV
Sintering temperature	Recommend 1500°C





ST Multilayer Zirconia Block

- Multilayer color
- No need for further dyeing operation
- Suitable for anterior, crown and bridge

Indications



Physical Characteristics

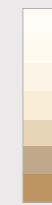
Sintered density	6.07±0.03g/cm ³
Bending Strength	≥1100MPa(Av.)
Transmittance	43%
Hardness	1200HV
Sintering temperature	Recommend 1530°C

BLEACH

OM1

OM2

OM3



57%
↕
43%

≥700MPa(Av.)
↕
≥1050MPa(Av.)

3D PLUS Multilayer Zirconia Block

- 6 layers Multilayer color
- From 43% to 57% gradient for transparency
- Strength shows gradient from 700MPa to 1050MPa
- Suitable for anterior, crown and 7 unit bridges

Indications



Physical Characteristics

Sintered density	6.07±0.03g/cm ³
Hardness	1200HV
Sintering temperature	Recommend 1500°C

BLEACH

OM1

OM2

OM3

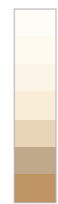




Dyeing Solutions



Model	Liquid series
16 shades system	A1 A2 A3 A3.5 A4
	B1 B2 B3 B4
	C1 C2 C3 C4
	D2 D3 D4
26 shades system	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



57% $\geq 700\text{MPa}_{(Av.)}$
 43% $\geq 1200\text{MPa}_{(Av.)}$

4D Multilayer Zirconia Block

Color Transmittance Strength

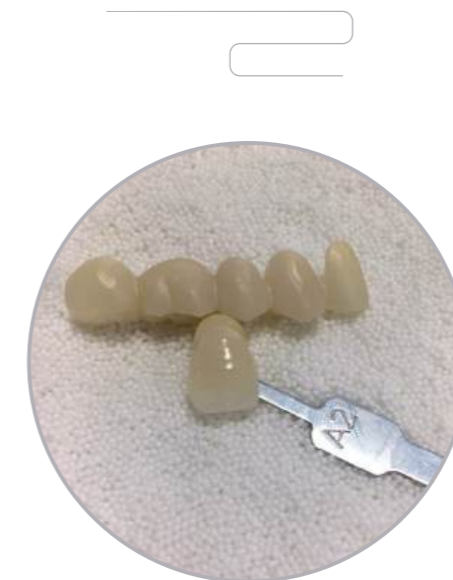
- 8 layers Multilayer color
- From 43% to 57% gradient for transparency
- Strength shows gradient from 700MPa to 1200MPa
- Suitable for anterior, crown and 14 unit bridges

Indications



Physical Characteristics

Sintered density	$6.07 \pm 0.03\text{g/cm}^3$
Hardness	1200HV
Sintering temperature	Recommend 1500°C



R



Wax/PMMA Disk

CAD/CAM 98 System

Item	MODEL	SIZE
1	98OP	10
2		12
3		14
4		16
5		18
6		20
7		22
8		25

Wax Color



CAD/CAM 95ZZ System

Item	MODEL	SIZE
1	95ZZ	10
2		12
3		14
4		16
5		18
6		20
7		22
8		25

PMMA Color



CAD/CAM AG System

Item	MODEL	SIZE
1	Ag system	13
2		16
3		20

Lithium Disilicate

- Indications-



-Advantages-

1. Superior chemical stability and bending strength.
2. High aesthetic restoration effect.
3. Easy to cut and Prolonging the life of the burs
4. Simple and fast crystallization process to reduce operating time

- Chemical Composition-

SiO ₂	61%-75%
P ₂ O ₅	1%-5%
Al ₂ O ₃	61%-75%
Li ₂ O	1%-5%
K ₂ O	3%-9%
Other Oxides	0%-15%

-Parameter-

Sintered density	2.3-2.6g/cm ³ 2.4-2.7g/cm ³
Bending Strength	≥300MPa
Fracture Toughness	≥1MPa · m ^{1/2}
Coefficient of linear expansion	10.5 × 10 ⁻⁶ K ⁻¹ ⊗ bias ±0.5 × 10 ⁻⁶ K ⁻¹ ⊗
Hardness	≥550HV2
Chemical Solubility	≤100ug/cm ²
Radioactivity	axis 238 concentration ≤1.0Bq/g

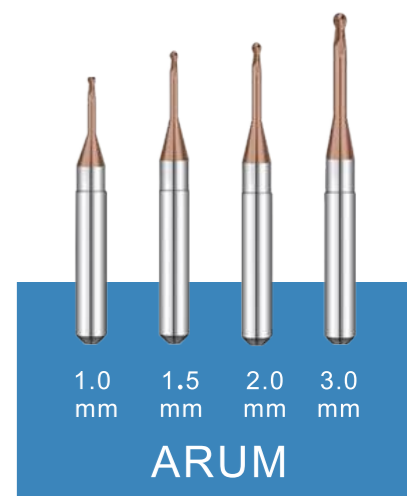
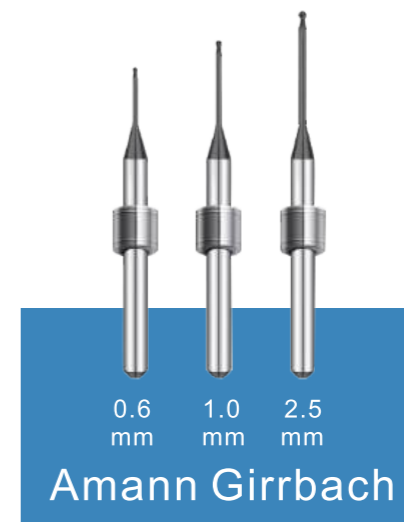
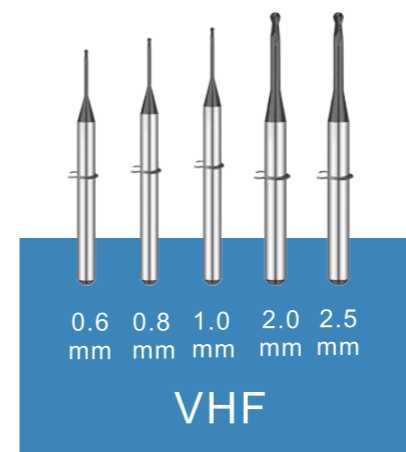
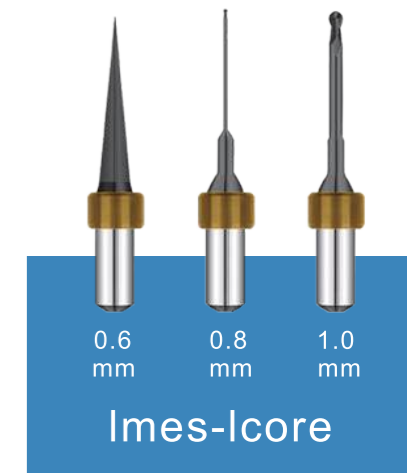
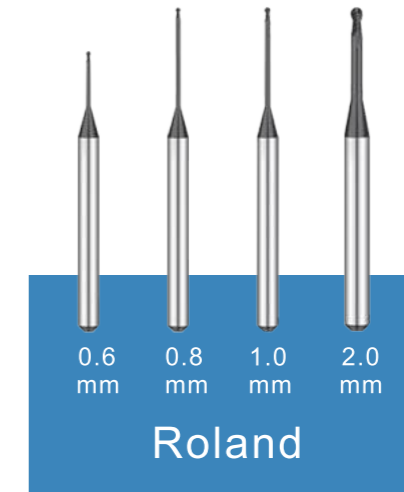
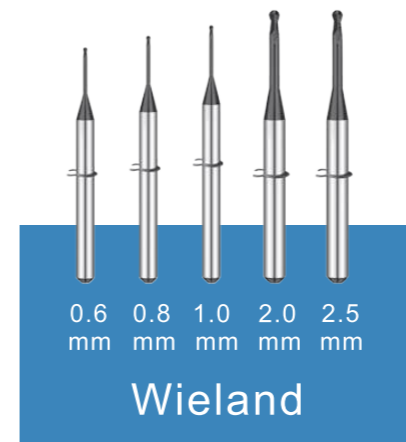
-Type-

Color	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	BL1	BL2	BL3	BL4	OM1	OM2	OM3
18-15-13 HT	■	■	■	■			■	■	■								■	■	■	■	■	■	■
18-15-13 LT	■	■	■	■				■												■			■
40-15-15 HT	■	■	■	■			■	■	■								■	■	■	■	■	■	■
40-15-15 LT	■	■	■	■				■												■			■

Polish Tool



Milling Burs



Clients all over the world

Yucera's customers have been spread all over the world . And Yucera has earned great reputation especially in Europe .The market is still expanding in recent years.

CERTIFICATION



CE0197



ISO13485



CFDA



China Integrity Demonstration Enterprise



Production Enterprise Licence of Medical Instrument