



Bending strength
1500 mpa

Fracture toughness
8.62 mpa√m

Qinhuangdao Zekeni Ceramic Technology co.,Ltd

The logo for ST1500, featuring the text "ST1500" in a stylized blue font with a white outline, set against a white circular background.The logo for ZIRCONIA ST, featuring the word "ZIRCONIA" in blue and "ST" in a smaller blue font below it, set against a white circular background.The logo for ZKN HT, featuring the letters "ZKN" in orange and "HT" in a smaller orange font below it, set against a white circular background.The logo for Kingcolor CST, featuring a colorful graphic of three stacked squares (red, yellow, blue) and a stylized "K" in blue, with the text "Kingcolor" in blue and "CST" in a smaller blue font below it, set against a white circular background.

关于我们 About US

Qinhuangdao Zirconia Ceramic Technology Co.,Ltd founded in 2012,located in Qinhuangdao city,Hebei province ,China. We are professional manufacturer of dental zirconia block ,specializing in technology research, manufacturing and sales . In our company , we have own denture manufacturing factory and oral hospital. Our denture products are tested strictly in every aspect, from R & D to manufacturing and then to clinical applications , to ensure best and stable quality.

"Integrity, professional"Is our consistent pursuit,to serve customers with high-quality, reliable and safe technologies and products is our eternal principle.We have professional denture manufacturing factory as our after-sale technical support, from a professional point of view ,providing practical high-quality products, technologies and perfect proposals to try best to creat value for our customers. For customers difficulty and demand, we equip up special high-quality regional manager to help the customers slove problems faster and more accurately . We will provide customers with the most professional services, customer satisfaction is our most real approval.

In order to work better in company management ,we refer to much experience of successful enterprises at home and abroad.With developing and exploring, we create mature and sound operation management system, suitable to ourselves. The company set up professional management personnels who are responsible for the company's every departments to supervise and manage, in order to ensure every aspect working smoothly ,we refuse unqualified products to the market. In order to serve customers better, our sales and R & D team are trained regularly with denture making knowledge to provide customers with professional services. Effective managements correct the staff's working attitude, improve their own quality , so as to serve customers better .

Quality writting legend, innovation fulfilling great dream, we firmly believe that through our unremitting efforts ,we will do better.



结构组成 Chemical composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99.0
HfO ₂	≤5
Y ₂ O ₃	5.79
Al ₂ O ₃	≤0.5
Other	≤0.5



适用系统 CAD/CAM system

Open system & AmannGirrbach system	
10 mm	18 mm
12 mm	20 mm
14 mm	22 mm
16 mm	25 mm



性能参数 Physical characteristics

Flexural strength after sintering	1500 MPa
Chemical solubility after sintering	16.1 μg/cm ²
Fracture toughness	8.62 Mpa/√m
Density after sintering	6.7 g/cm ³
Radioactivity	<0.005 Bq/g



适用种类 Indications

Category	Interocclusal distance	Bridge units
Full contour crown	≥1.5mm	≤14 units
Full contour bridge	≥1.0mm	≤14 units
Inlay	≥1.5mm	≤3 units
Abutment	Fit	Fit



Zirconia blank



Milling



Coloring



Drying



Sintering



Glazing



End





结构组成

Chemical composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99.0
HfO ₂	≤5
Y ₂ O ₃	5.79
Al ₂ O ₃	≤0.5
Other	≤0.5



规格型号

CAD/CAM system

Open system & AmannGirrbach system	
10 mm	18 mm
12 mm	20 mm
14 mm	22 mm
16 mm	25 mm



性能参数

Physical characteristics

Flexural strength after sintering	1200 MPa
Chemical solubility after sintering	16.1 μg/cm ²
Fracture toughness	8.62 Mpa/√m
Density after sintering	6.0 g/cm ³
Radioactivity	<0.005 Bq/g



适用种类

Indications

Category	Interocclusal distance	Bridge units
Full contour crown	≥1.5mm	≤8 units
Full contour bridge	≥1.0mm	≤8 units
Inlay	≥1.5mm	≤3 units
Abutment	Fit	Fit



Zirconia blank



Milling



Coloring



Drying



Sintering



Glazing



End



ZKN 高透/HT

ZKN 结构组成 Chemical composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99.0
HfO ₂	≤5
Y ₂ O ₃	5.79
Al ₂ O ₃	≤0.5
Other	≤0.5

ZKN 规格型号 CAD/CAM system

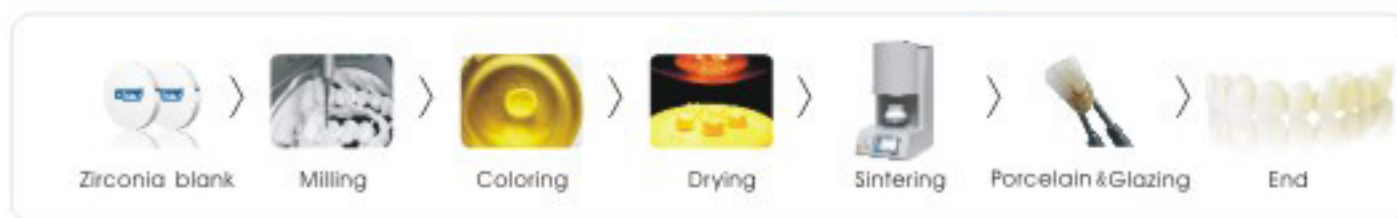
Open system & AmannGirrbach system	
10 mm	18 mm
12 mm	20 mm
14 mm	22 mm
16 mm	25 mm

ZKN 性能参数 Physical characteristics

Flexural strength after sintering	1200 MPa
Chemical solubility after sintering	16.1 μg/cm ²
Fracture toughness	8.62 Mpa/√m
Density after sintering	6.05g/cm ³
Radioactivity	<0.005 Bq/g

ZKN 适用种类 Indications

Category	Interocclusal distance	Bridge units
Coping	≥1.5mm	≤14 units
Coping bridge	≥1.5mm	≤14 units
Inlay	≥1.5mm	≤3 units
Abutment	Fit	Fit



晶彩 结构组成 Chemical composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99.0
HfO ₂	≤5
Y ₂ O ₃	5.79
Al ₂ O ₃	≤0.5
Other	≤0.5

晶彩 规格型号 CAD/CAM system

Open system & AmannGirrbach system	
10 mm	18 mm
12 mm	20 mm
14 mm	22 mm
16 mm	25 mm

晶彩 性能参数 Physical characteristics

Flexural strength after sintering	1200 MPa
Chemical solubility after sintering	16.1 μg/cm ²
Fracture toughness	8.62 Mpa/√m
Density after sintering	6.02 g/cm ³
Radioactivity	<0.005 Bq/g

晶彩 适用种类 Indications

Category	Interocclusal distance	Bridge units
Full contour crown	≥1.5mm	≤14 units
Full contour bridge	≥1.0mm	≤14 units
Inlay	≥1.5mm	≤3 units
Abutment	Fit	Fit



Zirconia blank



Milling



Sintering



Glazing



End



晶彩 结构组成 Chemical composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99.0
HfO ₂	≤5
Y ₂ O ₃	5.79
Al ₂ O ₃	≤0.5
Other	≤0.5

晶彩 性能参数 Physical characteristics

Flexural strength after sintering	1200 MPa
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晶彩 规格型号 CAD/CAM system

Open system & AmannGirrbach system	
10 mm	18 mm
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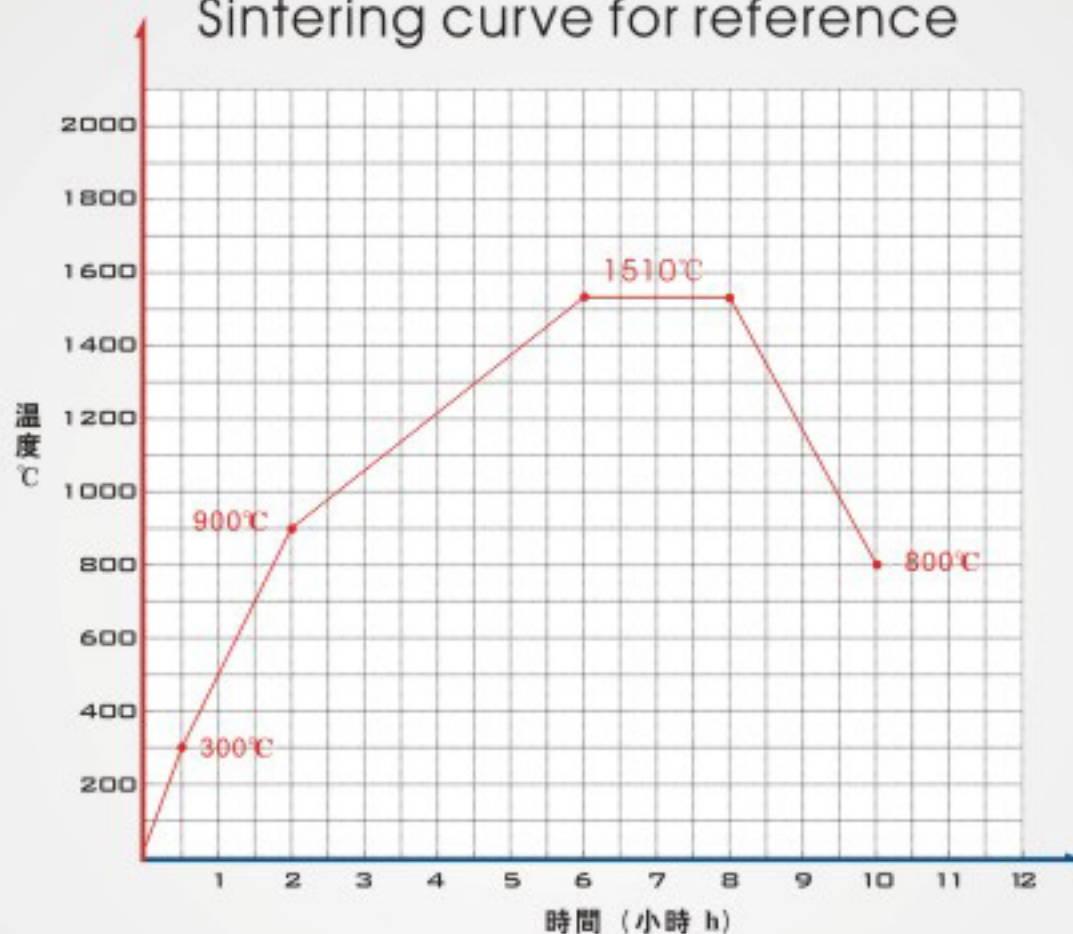
晶彩 适用种类 Indications

Category	Interocclusal distance	Bridge units
Coping	≥1.5mm	≤14 units
Coping bridge	≥1.5mm	≤14 units
Inlay	≥1.5mm	≤3 units
Abutment	Fit	Fit



参考烧结曲线

Sintering curve for reference



Setting	1	2	3	4	5	6	Bridge
°C	00	300	900	1510	1510	800	≤14 units
Miniute	30	90	240	120	100	-120	

ZEKENI liquid system

more quickly more accurate

ZEKENI color liquid introduction

Product features: high infiltration , color uniformity , without influence on strength and translucency ,color similarity about 90%.

Dipping time: ST-10 Seconds HT-60 Seconds.

Dying method: dipping/brushing.

Color categories: A1,A2,A3,A4,A5,B1,B2,B3,B4,B5,C1,C2,C3,C4,C5,D2,D3,D4,S2,G1

Customization: We can make special color liquid as per customer's requirements.

Infiltration rate:

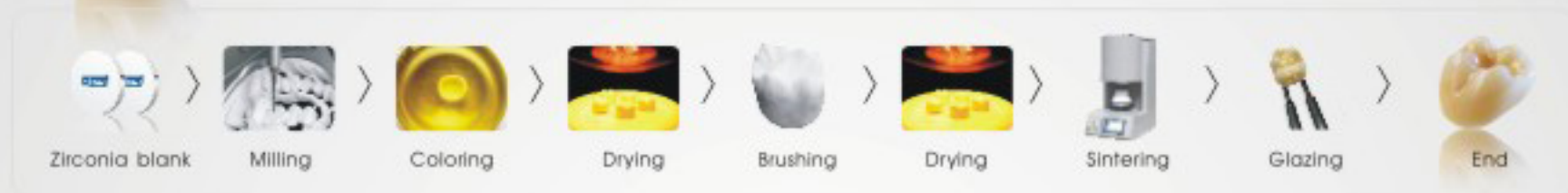
5°/0.8mm	10°/1.2mm	20°/1.5mm	1°/2.2mm





泽克尼全锆渐变染色工艺

ZEKENI FULL CONTOUR GRADIENT DYING PROCESS



A3 VITA

1. Dipping



Color liquid: A2
Time: 10 Seconds
Note: After taking out, please blot extra liquid with porcelain pen; do not use tissue or put on the tissue.



2. Drying

Time: 10 Minutes
Note: Crown margin should be down; Drying fully.



3. Brushing

Color liquid: A3
Tool: Porcelain pen
Note: Brush middle areas and the outer cervical from up to down vertically with porcelain pen; do not brush horizontally; Only brush the fossa on the occlusal surface.



4. Drying

Time: 10 Minutes
Note: drying fully.



5. Sintering

After sintering, the gradient color effect appears; if color has micro difference, please paint a little; if color is satisfied, please glaze directly.

A1 A3 VITA

1. Dipping



Color liquid: A1
Time: 10 Seconds
Note: After taking out, please blot extra liquid with porcelain pen; do not use tissue or put on the tissue.



2. Drying

Time: 10 Minutes
Note: Crown margin should be down; drying fully.



3. Brushing

Color liquid: A3
Note: Brush the outer cervical from up to down vertically with porcelain pen; do not brush horizontally; Only brush the fossa on the occlusal surface.



4. Drying

Time: 10 Minutes
Note: drying fully.



5. Sintering

After sintering, the gradient color effect appears; if color has micro difference, please paint a little; if color is satisfied, please glaze directly.

CAD/CAM related consumables



Milling burs

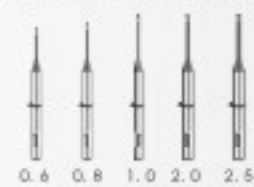
罗兰
Burs for Roland machine



IMES
Burs for Imes machine



VHF / 维兰德
Burs for VHF/Wieland machine



阿曼
Burs for Amann machine



Wax



Open system



Open system



AmannGimbach system

Pamma



A1



A2



A3



Clear



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