



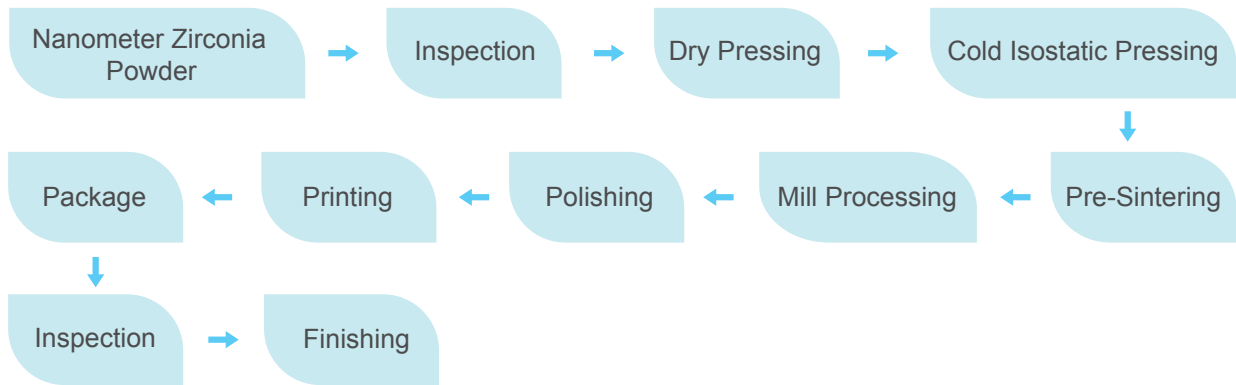
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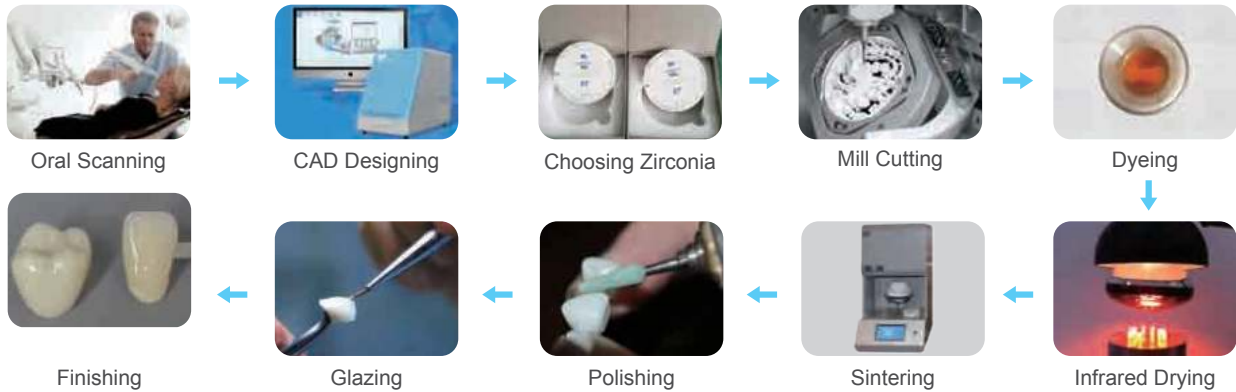


PRODUCT CATALOGUE

Processing of Zirconia Block



Dental Processing



Every Bright Smile is Backed by KINGCH !

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Company Profile

Company Certification



FDA



RFDA

Who We Are

Qinhuangdao Silide Ceramic Technology Co., Ltd. is a professional manufacturer of dental zirconia ceramic blocks for teeth restoration material with high aesthetic.

What We Offer

We are focus on production, researching and distributing the dental zirconia ceramic blocks with brand of "KINGCH", such as: High Transparent(HT), Super Transparent(ST), Ultra Transparent(UT), Pre-shaded, Multi-layer and 3D zirconia blocks series, compatible with various automatic CAD/CAM milling machines.

What We Symbolize

Quality decides the future, Service wins markets.



CE certificate



ISO 13485

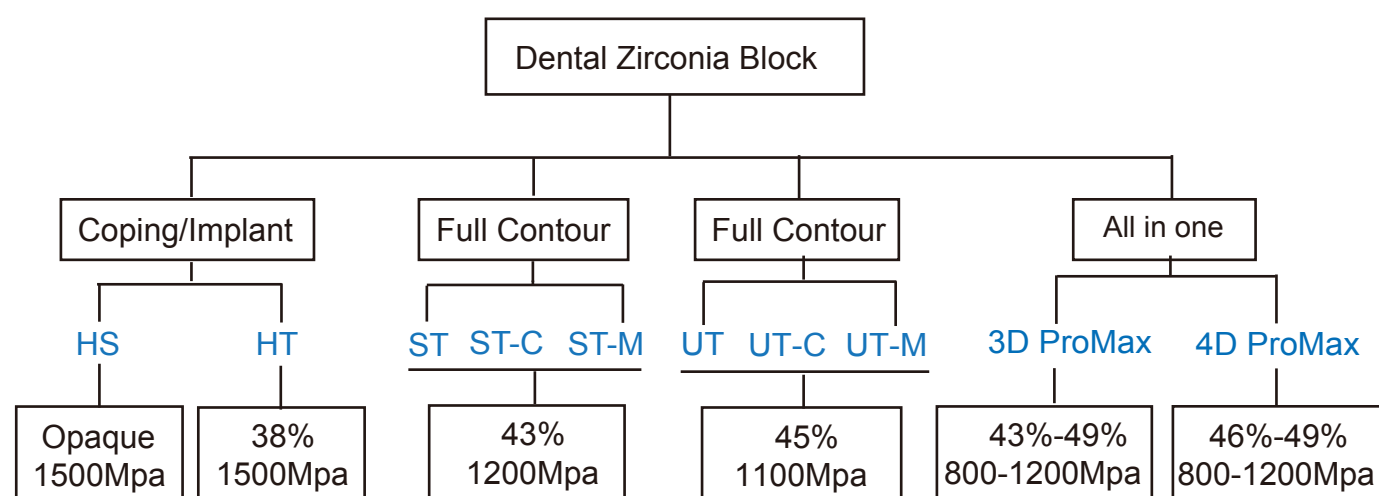


Zirconia Products Family

HS Block



A professional manufacturer of dental zirconia ceramic blocks



Main Ingredients	Kingch Block	ISO Require
ZrO ₂ +HfO ₂ +Y ₂ O ₃	99.5%	≥99.0%
Y ₂ O ₃	4.8%	4.5% ~5.4%
Al ₂ O ₃	<0.5%	<0.5%
Other Oxide	<0.3%	<0.5%

Characteristic

- ★ HS: High Strength Block
- ★ Superior Strength
- ★ Use for coping, implant, framework



Performance

Item	HS	ISO 6872
Flexural Strength (Mpa)	1500	≥800
Vicker's Hardness (Mpa)	1250	—
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	Opaque	—
Sintering Temperature	1530°C	—

Indication

Classification	HS
Posterior	✓
Inlay	✓
Coping	✓
Abutment	✓
Bridge	✓

Notice: "✓" means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



HT Block

Characteristic

- ★ HT: High Translucent Block
- ★ Superior Strength
- ★ Use for coping, implant, framework



Performance

Item	HT	ISO 6872
Flexural Strength (Mpa)	1500	≥800
Vicker's Hardness (Mpa)	1250	—
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	38	—
Sintering Temperature	1530°C	—

Indication

Classification	HT
Anterior	✓
Posterior	✓
Coping	✓
Crown	✓
Bridge	✓
Abutment	✓

Notice: "✓" means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



ST Block

Characteristic

- ★ ST: Super Translucent Block
- ★ Best popular
- ★ Use for coping, crown, bridge, implant, framework



Performance

Item	ST	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	1200	≥800
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	43	—
Sintering Temperature	1530°C	—

Indication

Classification	ST
Anterior	✓
Posterior	✓
Coping	✓
Crown	✓
Bridge	✓
Abutment	✓

Notice: "✓" means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



ST-C Block

Characteristic

- ★ ST-C: Colored Super Translucent Block
- ★ Operation easy, no need dyeing
- ★ Use for coping, crown, bridge, implant, framework



Performance

Item	ST-C	ISO 6872
Density Post-Sintering (g/cm3)	6.06	≥6.0
Flexural Strength (Mpa)	1200	≥800
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	43	—
Sintering Temperature	1530°C	—

Indication

Classification	ST-C
Anterior	✓
Posterior	✓
Coping	✓
Crown	✓
Bridge	✓
Abutment	✓

Notice: “✓” means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



ST-M Block

Characteristic

- ★ ST-M: Super Translucent Multilayer Block
- ★ More gradation, more natural
- ★ Use for coping, crown, bridge, implant, framework



Performance

Item	ST-M	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	1200	≥800
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	43	—
Sintering Temperature	1530°C	—

Indication

Classification	ST-M
Anterior	✓
Posterior	✓
Crown	✓
Veneering	✓
Abutment	✓
Bridge	✓

Notice: “✓” means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



UT Block

Characteristic

- ★ UT: Ultra Translucent Block
- ★ Light translucent: 45%, TOSOH powder from Japan
- ★ Use for coping, crown, bridge, implant, framework



Performance

Item	UT	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	1100	≥800
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	45	—
Chemical Solubility (ug/cm2)	2.5	100
Sintering Temperature	1530°C	—

Indication

Classification	UT
Anterior	✓
Posterior	✓
Crown	✓
Onlay	✓
5 Units Bridge	✓
Veneering	✓

Notice: “✓” means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



UT-C Block

Characteristic

- ★ UT-C: Colored Ultra Translucent Block
- ★ Light translucent: 45%, TOSOH powder from Japan
- ★ Use for coping, crown, bridge, implant, framework



Performance

Item	UT-C	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	1100	≥800
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	45	—
Chemical Solubility (ug/cm2)	2.5	100
Sintering Temperature	1530°C	—

Indication

Classification	UT-C
Anterior	✓
Posterior	✓
Crown	✓
Onlay	✓
5 Units Bridge	✓
Veneering	✓

Notice: “✓” means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



UT-M Block

Characteristic

- ★ UT-M: Ultra Translucent Multilayer Block
- ★ Light translucent: 45%, TOSOH powder from Japan
- ★ Use for coping, crown, bridge, implant, framework



Performance

Item	UT-M	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	1100	≥580
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	45	—
Chemical Solubility (ug/cm2)	2.5	100
Sintering Temperature	1530 °C	—

Indication

Classification	UT-M
Anterior	✓
Posterior	✓
Crown	✓
Onlay	✓
5 Units Bridge	✓
Veneering	✓

Notice: “✓” means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



3D ProMax Block

Characteristic

- ★ 3D Pro Max: 6 layers multilayer
- ★ Translucent gradient: 43-49%
- ★ Strength gradient: 800-1200Mpa
- ★ Color gradient: From incisal to cervical
- ★ All in one: only one block, you can do any esthetic restoration



Performance

Item	3D Pro Max	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	800-1200	≥580
Vicker's Hardness(Mpa)	1100	—
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	43-49	—
Chemical Solubility (ug/cm2)	2.5	100
Sintering Temperature	1510 °C	—

Indication

Classification	3D ProMax
Inlay	✓
Onlay	✓
Crown	✓
Bridge	✓
Veneering	✓
Abutment	✓
Anterior	✓
Posterior	✓

Notice: “✓” means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



4D ProMax Block

Characteristic

- ★ 4D ProMax: 8 layers multilayer
- ★ Translucent gradient: 46-49%
- ★ Strength gradient: 800-1200Mpa
- ★ Color gradient: From incisal to cervical
- ★ All in one: only need one block, you can do any high esthetic restoration



Performance

Item	4D ProMax	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	800-1200	≥580
Vicker's Hardness(Mpa)	1100	—
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	46-49	—
Chemical Solubility (ug/cm2)	2.5	100
Sintering Temperature	1510°C	—

Indication

Classification	4D ProMax
Inlay	✓
Onlay	✓
Crown	✓
Bridge	✓
Veneering	✓
Abutment	✓
Anterior	✓
Posterior	✓

Notice: "✓" means best choosing

Compatible System

Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



4D Promax

8-layer Natural Gradient

98*18mm
A2

49%
46%
Transparency

CE0197
FDA
RFDA
CFDA

≥800Mpa
≥1200Mpa
Strength



Coloring Liquid

Product Introduction

“KINGCH” brand of coloring liquid are indicated for coloring of pre-sintered full-contour crown, bridge made by white dental zirconia blocks for the dental laboratory or clinic.

Color Liquid with Vita 16 Shade

A Series	A1	A2	A3	A3.5	A4
B Series	B1	B2	B3	B4	
C Series	C1	C2	C3	C4	
D Series	D2	D3	D4		



Color Liquid with Vita 26 Shade

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					



Effects & Glazing Paster

Incisal color, Fossa color, Pontic color
Opaque color, Indicator, orange, blue, brown,
Gingiva color, Tetracycline color, Fluorine spot
Pink, clay, light-purple, purple-grey,
Glaze



Milling Burs

Product Introduction



Coating:
DC(Diamond Coating): Milling crowns are over 800 units.
DLC(Like Diamond Coating): Milling crowns are over 150 units.
System:
VHF, Wland, Roland, Zirkon Zahn, Amann Girrbach, Sirona,
3M Lava, Imes-Icore, Yenadent, Arum, Dentium, customized.

VHF



Size
Ø 0.6*3.0*35/40
Ø 1.0*3.0*35/40
Ø 2.0*3.0*35/40

Wland



Size
Ø 0.6*3.0*35/40
Ø 1.0*3.0*35/40
Ø 2.5*3.0*35/40

Roland



Size
Ø 0.3*4.0*50 Ø 0.5*4.0*50
Ø 0.6*4.0*50 Ø 0.8*4.0*50
Ø 1.0*4.0*50 Ø 1.5*4.0*50
Ø 2.0*4.0*50 Ø 2.5*4.0*50

Zirkon zahn



Size
Ø 1.0*3.0*57
Ø 2.0*3.0*57

Amann Girrbach



Size
Ø 0.3*3.0*47
Ø 0.6*3.0*47
Ø 1.0*3.0*47
Ø 2.0*3.0*47

Imes Icore



Size
Ø 0.6*3.0*50
Ø 1.0*3.0*50
Ø 2.5*3.0*50



PEEK, PMMA, WAX

Other Consumable

PEEK Block



Color	
Natural, Pink, Yellow, White	
Size	
D98*10mm	D98*12mm
D98*14mm	D98*16mm
D98*18mm	D98*20mm
D98*22mm	D98*25mm

PMMA Block



Color	
A1,A2, A3, B1, Bleach, Clear, Pink, Multilayer	
Size	
Open System: D98*10-25mm	
Zirkon Zahn System: D95*10-25mm	
Amman Girrbach System: AG71*12-25mm	

Wax Block



Color	
Green, Blue, Gray, Brown, White	
Size	
Open System: D98*10-25mm	
Zirkon Zahn System: D95*10-25mm	
Amman Girrbach System: AG71*12-25mm	

Co-Cr (Cobalt chrome) Block



Size			
D98*10mm	D98*12mm	D98*14mm	D98*16mm
D98*18mm	D98*20mm	D98*22mm	D98*24mm

Saggar



Size	
Φ120*20	Φ70*20
Φ140*20	Φ75*40
Φ100*40	Φ83*40

Zirconia Beads



Size	
Φ0.6mm	Φ1.2mm
Φ1.5mm	Φ3.0mm

Polishing & Grinding



Applicable to the porcelain and metal polishing for material removal, smoothing and advanced gloss polishing

Scanner

Intraoral 3D scanner



Specification

Specification Model	PANDA 2
Dimension (LxWxH)	216*40*36 mm
Weight	246 g
Tips	3 Types, autoclavable
Tip Size (LxWxH)	83.4x19.6x14.6 mm
Field of View	17*15 mm
Depth of Field	15 mm
Data Format	STL, PLY, PTY
Digital Interface	USB 3.0
Accuracy	15 um
Full jaw scanning time	< 5 Min



3D Dental Scanner



Features

1. High Accuracy
AutoScan features higher camera resolution, the camera resolution up to 2.6 megapixels
2. Articulation Scan
AutoScan features bigger scan space, articulation scan function is supported
3. High Efficiency
Scanning time is very shorter than other brands of similar goods.

Specification

Specification Model	SLD-K1
Indication	Dental, Jewelry
Camera Resolution	2,600,000
Accuracy	<0.010mm
Scanning Time	full arch 6s upper jaw/lower jaw 9s 1~8 teeth 13s impression 50s
Scanning Scale	100*100*75mm
Scanning Principle	structured blue light 3D scanning
Temperature	10℃~30℃
Dimension	100*100*75mm
Weight	5.0 kg
Output	STL
Interface	USB 3.0
Power	AC 24V
Genuine Software	EXOCAD

