

Product Catalogue

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Catalogue



Wechat

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Company Profile

Company Certification



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 Translucent(UT), pre-shaded and 3D Multi-layer zirconia blocks series, compatible with various automatic CAD/CAM milling machines.

What We Symbolize

Quality decides the future, Service wins markets.



FDA(USA)



RFDA(Russia)



CE certificate



ISO 13485

Zirconia Products Family

HS Block

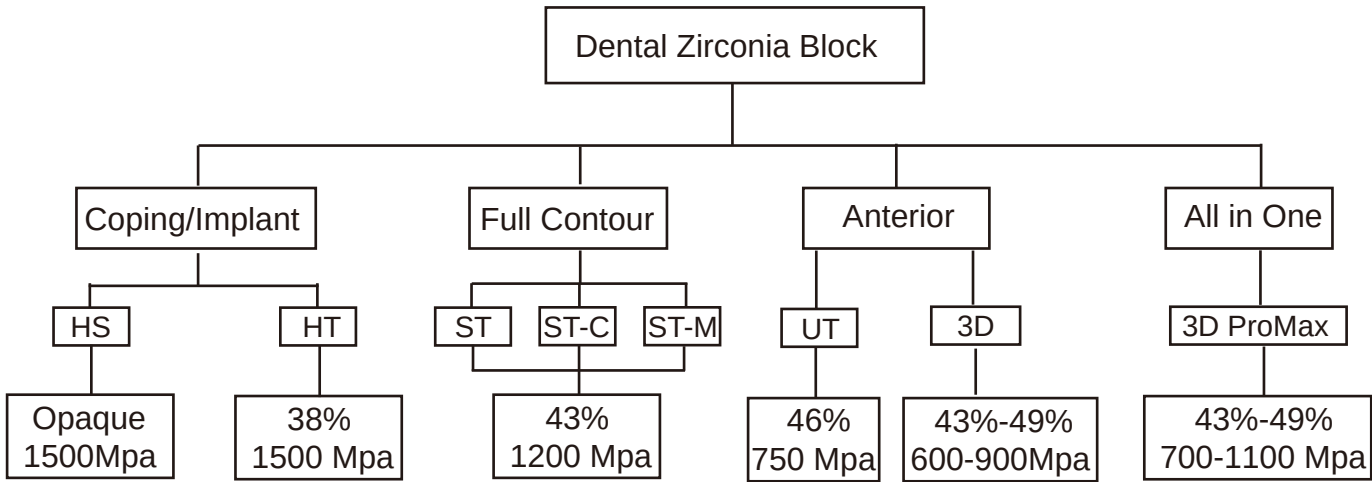


A professional manufacturer of dental zirconia ceramic blocks



Characteristic

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



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%

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℃	—

Indication

Classification	HT
Posterior	✓
Inlay	✓
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℃	—

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/cm ³)	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/cm ³)	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: 46%
- ★ Use for coping, crown, bridge, framework



Performance

Item	UT	ISO 6872
Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	750	≥800
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	46	—
Chemical Solubility (ug/cm2)	2.5	100
Sintering Temperature	1500°C	—

Indication

Classification	UT
Anterior	✓
Crown	
Onlay	✓
3 Units Bridge	✓
Veneering	✓

Notice: "✓" means best choosing

Compatible System

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

3D Multilayer

Characteristic

- ★ 3D Multilayer: 6 layers
- ★ Translucent gradient: 43-49%
- ★ Strength gradient: 600-900Mpa
- ★ Color gradient: From incisal to cervical



Performance

Item	3D	ISO 6872
Density Post-Sintering (g/cm3)	6.10	≥6.0
Flexural Strength (Mpa)	600-900	≥580
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	43-49	—
Chemical Solubility (ug/cm2)	2.5	100
Sintering Temperature	1500°C	—

Indication

Classification	3D
Anterior	✓
Crown	✓
Onlay	✓
3 Units Bridge	✓
Veneering	✓

Notice: "✓" means best choosing

Compatible System

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

3D Pro Max

Characteristic

- ★ 3D Pro Max: 6 layers multilayer
- ★ Translucent gradient: 43-49%
- ★ Strength gradient: 700-1100Mpa
- ★ 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/cm ³)	6.10	≥6.0
Flexural Strength (Mpa)	700-1100	≥580
Vicker's Hardness(Mpa)	1100	—
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	43-49	—
Chemical Solubility (ug/cm ²)	2.5	100
Sintering Temperature	1500°C	—

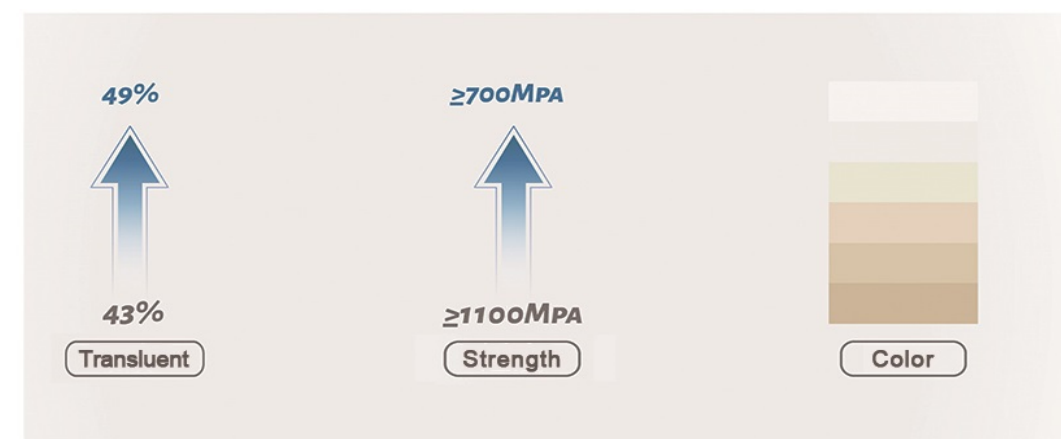
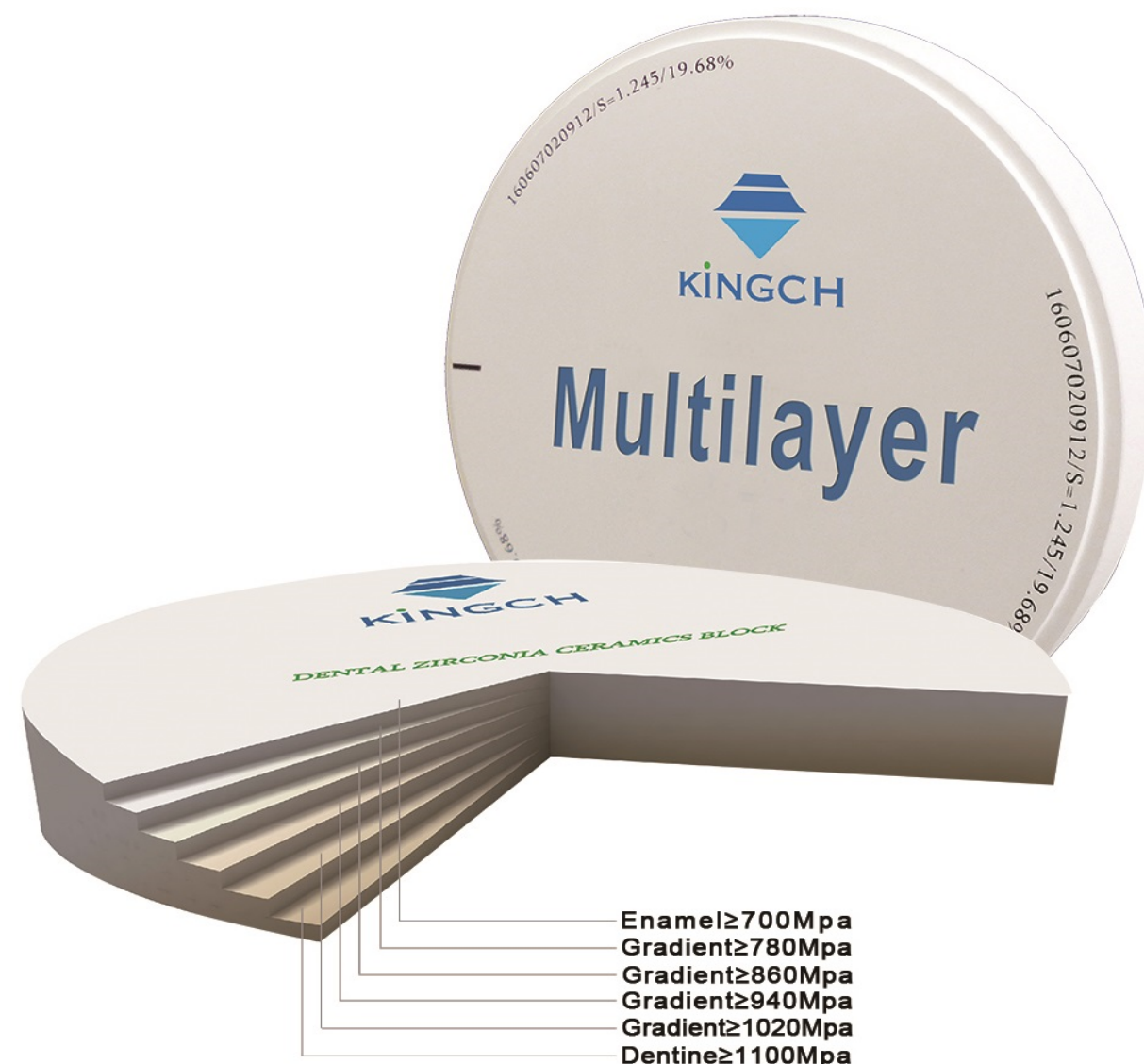
Indication

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



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



Stain and Glazing Paster

A- coloring system B-coloring system

C- coloring system D- coloring system

White, black, yellow, orange, blue, brown,

Pink, clay, light-purple, purple-grey,

Light-brown glaze, diluent



Milling Burs

Product Introduction



Coating:

DC(Diamond Coating): Milling crowns are over 700 units.

DLC(Like Diamond Coating): Milling crowns are over 120 units.

System:

VHF, Wieland, Roland, Zirkon Zahn, Amann Girrbach, Sirona, 3M Lava, Imes-Icore, Yenadent

VHF



Size

Ø 0.6*3.0*35/40

Ø 1.0*3.0*35/40

Ø 2.0*3.0*35/40

Wieland



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

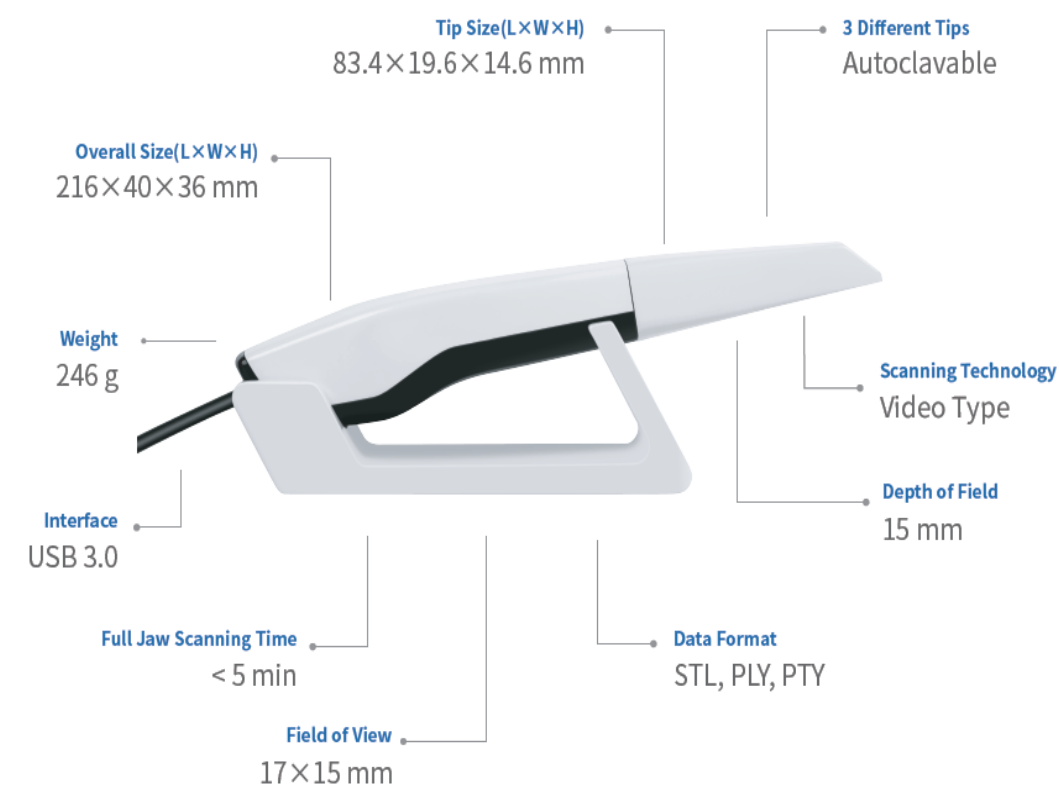
Polishing & Grinding



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

Scanner

Intraoral Scanner



Specification Model	PANDA 2
Overall Size (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
Interface	USB 3.0
Full Jaw Scanning Time	< 5 Min



Scanner

3D Dental Scanner



Features -----

- 1. High Accuracy
AutoScan features higher camera resolution, the camera resolution up to 2.6megapixels
- 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-001
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



CAM Milling Machine

Dental Processing

Dental Milling Machine



Features

1. Famous numerical control system, high speed data processing and analyzing.
2. Open processing system, compatibility.
3. High precision motorized spindle speed can reach 60,000RPM.
4. High resolution digital servo control system.

Specification

Model No.	A41	B51
Size	L54*W49*H53CM	L82*W73*H85CM
Weight	85kg	500KG
Voltage	220V, 50Hz	220V, 50Hz
Power	<1.1Kw	<3.6Kw
Air Pressure	0.6-0.8Mpa	0.6-0.8Mpa
Spindle Speed	60,000R/Min	60,000R/Min
Cooling Type	Air cooling	Wet/ Dry
Processing Accuracy	<0.01mm	<0.01mm
Cutter Quality	3(2.0mm, 1.0mm, 0.6mm)	18
Material	Zirconia, PMMA, Resin, Wax	Ti, Co-Cr, PMMA, Resin, Glass Ceramic, Zirconia
Type	Crown, Bridge, Inlay, Onlay, Abutment	Crown, bridge, abutment, Implant, Bar clip

Dental Processing



Oral Scanning



CAD Designing



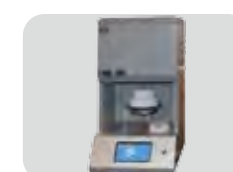
Choosing Zirconia



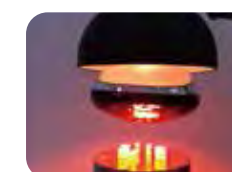
Mill Cutting



Polishing



Sintering



Infrared Drying



Dyeing



Glazing



Finishing

Every Bright Smile is Backed by KINGCH !