

# Product Catalogue

## Catalogue



Wechat

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- Company Profile ..... 01
- Company Certification ..... 02
- Zirconia Products Family ..... 03
- HS Block ..... 04
- HT Block ..... 05
- ST Block ..... 06
- ST-C Block ..... 07
- ST-M Block ..... 08
- UT Block ..... 09
- 3D Block ..... 10
- 3D ProMax Block ..... 11
- Coloring Liquid ..... 13
- Milling Burs ..... 14
- PEEK, PMMA, WAX ..... 15
- Other Consumable ..... 16
- Fast Sintering Furnace ..... 17
- Porcelain firing & glazing furnace ..... 17
- 3D Dental Scanner ..... 18
- CAM Milling Machine ..... 19
- Dental Processing ..... 20

# 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.

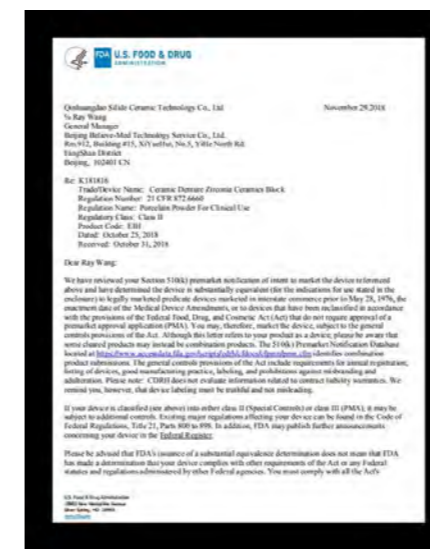
## What We Offer

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.

## Our Honor



FDA



RFDA



ISO 13485



CE certificate

# Zirconia Products Family

# HS Block

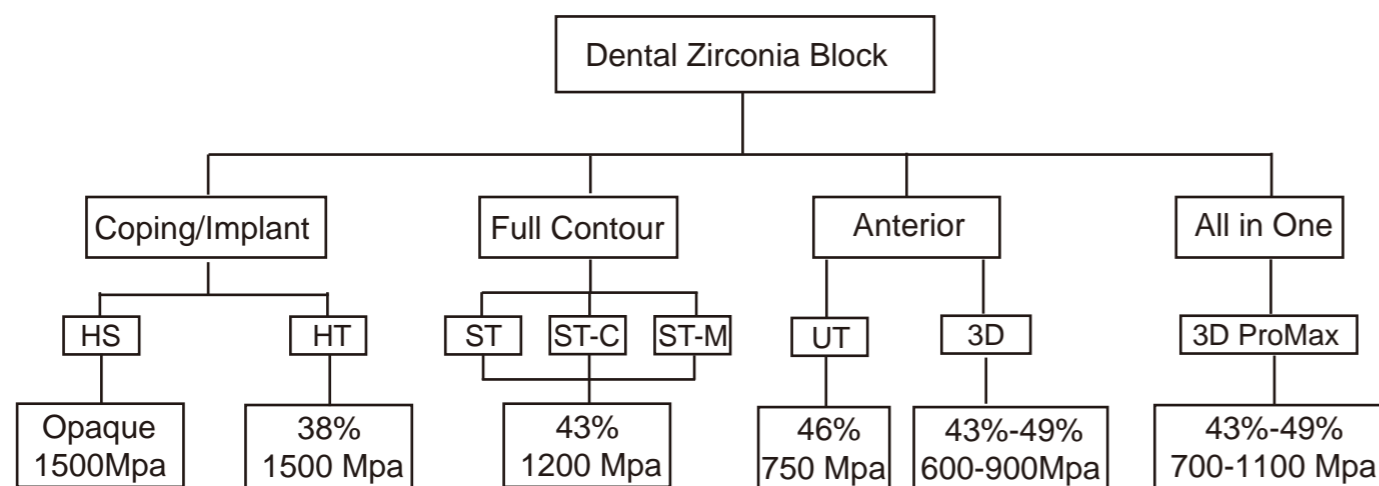


A professional manufacturer of dental zirconia ceramic blocks



## Characteristic

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



Main Ingredients	Kingch Block	ISO Require
ZrO <sub>2</sub> +HfO <sub>2</sub> +Y <sub>2</sub> O <sub>3</sub>	99.5%	≥99.0%
Y <sub>2</sub> O <sub>3</sub>	4.8%	4.5% ~5.4%
Al <sub>2</sub> O <sub>3</sub>	<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°C	—

## 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°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: 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	1530°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	1530°C	—

## Indication

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

Notice: "✓" means best choosing

## Compatible System

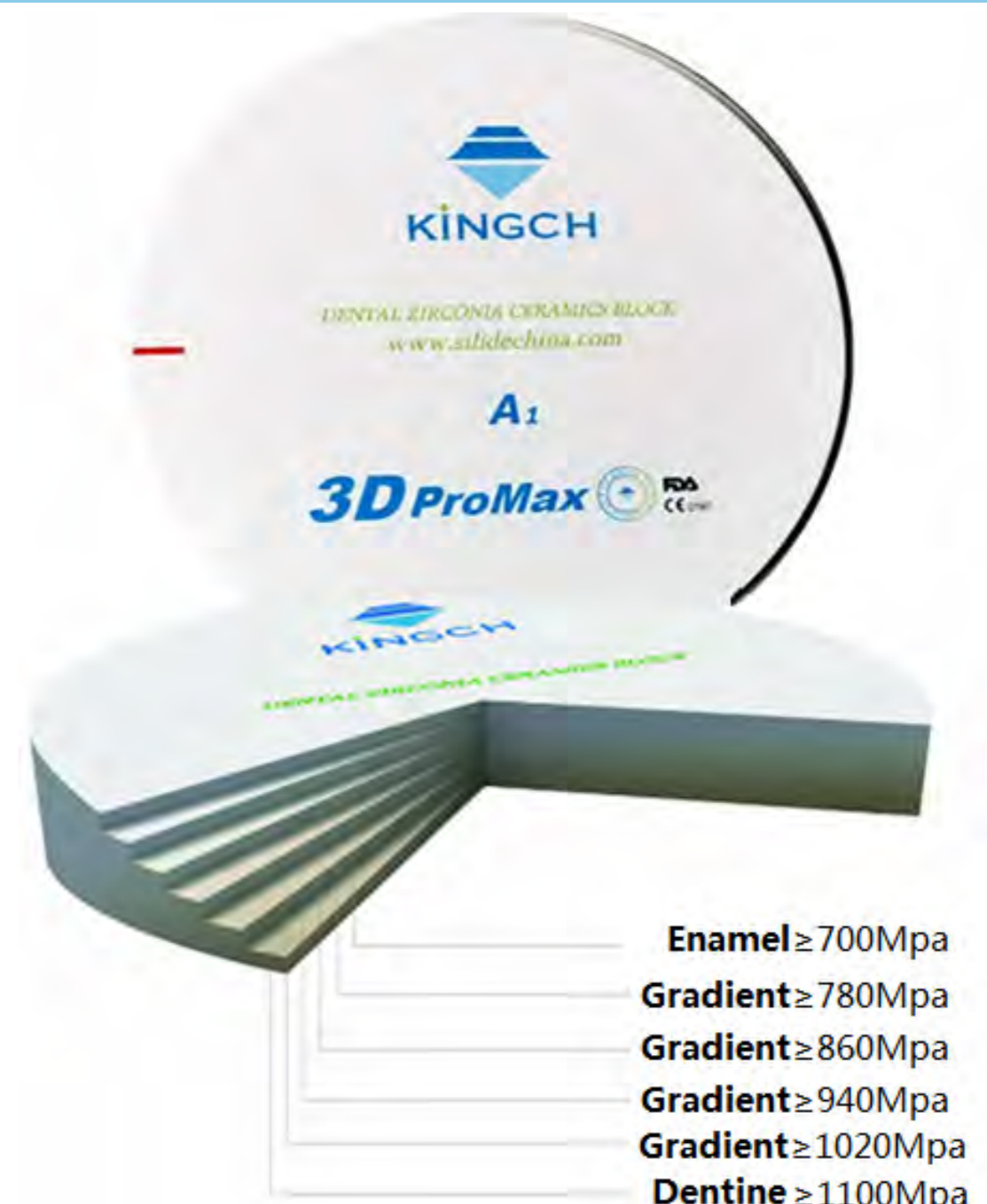
Open System, Zirkon Zahn System, Amann Girrbach System, Kavo, Roland, Lava, Sirona, etc



# 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 <sup>3</sup> )	6.10	$\geq 6.0$
Flexural Strength (Mpa)	700-1100	$\geq 580$
Vicker's Hardness(Mpa)	1100	—
Shrinkage Factor (%)	19~22	—
Light Transmittance (%)	43-49	—
Chemical Solubility (ug/cm <sup>2</sup> )	2.5	100
Sintering Temperature	1530°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

# Furnace

# Scanner

## Fast Sintering Furnace



### Quality Restorations

- Longer life expectancy
- Advanced degassing –pre-emptive solution to side effects of zirconia colored materials and colorants



### Time Saving

- 90-minute sintering
- Sintering Temperature up to 1650°C
- Active cooling – an extra fast cooling system
- Power failure protection ensures that firing resumes after return of electrical power.



### Energy Efficient

- Firing chamber lined with superior insulation
- Chamber entrance tightly sealed to hold temp, ready for next cycle



## Porcelain firing & glazing furnaces



### Quality Restorations

- Precise temp uniformity & control with firing temp, reach to 1180°C & accuracy of ± 1°C



### Time Saving

- Power failure protection ensures that firing resumes after return of electrical power



### Energy Efficient

- Firing chamber lined with superior insulation
- Chamber opening tightly sealed to hold temp. Ready for next cycle
- Single phase electrical supply for low wattage consumption.



## 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-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°C ~30°C
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



Every Bright Smile is Backed by KINGCH !