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Product Introduction

Contents

Upcera dental zirconia blanks

HT (high translucent)

ST (super translucent)

ST (super translucent) pre-shaded

HT (high translucent) Zirconia Blank

Performance

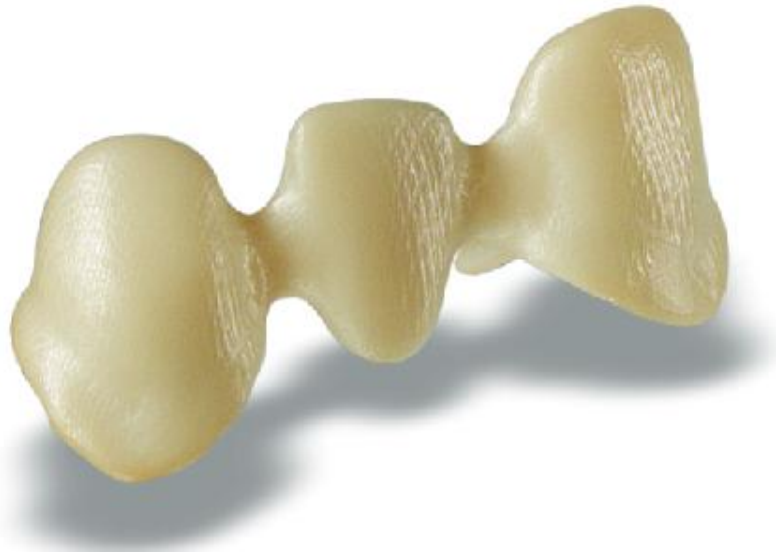
	High translucent material
Sintering temperature(℃)	1480
Coefficient of thermal expansion (25-500℃)	$10.5*10^{-6}$
Sintering density (g/cm^3)	6.07
Strength (MPa)	1200
Average grain size(μm)	0.4
Accelerated aging surface monoclinic phase content (%)	<10
Average Transmittance (1mm)	37%
Radioactivity(Bq/g)	<0.1

HT (high translucent) Zirconia Blank

Indications

All ceramic coping of:

Anterior
Posterior single crown
Bridge
Inlay
Veneering



HT (high translucent) Zirconia Blank

Colouring solution

5 shades for zirconia copings: LL1, LL2, LL3, LL4, LL5

ST (super translucent) Zirconia Blank

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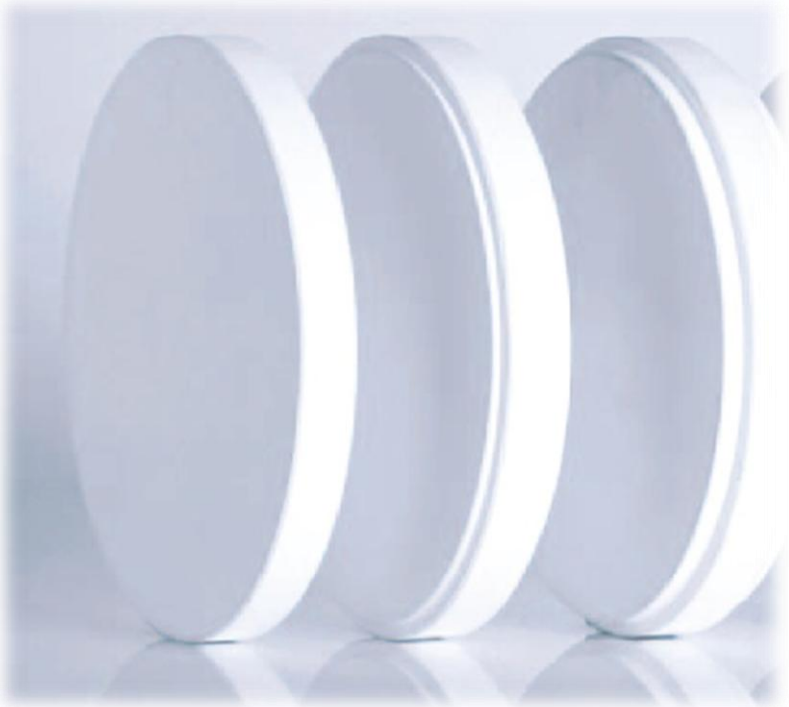
Performance

	Super translucent material
Sintering temperature(℃)	1480
Coefficient of thermal expansion (25-500℃)	$10.5*10^{-6}$
Sintering density (g/cm^3)	6.08
Strength (MPa)	1200
Average grain size(μm)	0.4
Accelerated aging surface monoclinic phase content (%)	<10
Average Transmittance (1mm)	43%
Radioactivity(Bq/g)	<0.1



ST (super translucent) Zirconia Blank

Indications

Full contour of :

Posterior single crown
Bridge
Maryland bridge
Inlay
Upper part of implant

ST (super translucent) Zirconia Blank

Colouring solution

16 basic shades	
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

7 special shades	
Gingival	P1, P2, P3
Fossa	O1, O2
Cusp	G1, G2

Cusp translucent

ST (super translucent) Pre-shaded Zirconia Blank

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Performance

	Super Translucent pre-shaded material
Sintering temperature (℃)	1530
Coefficient of thermal expansion (25-500℃)	$10.5*10^{-6}$
Sintering density (g/cm^3)	6.09
Strength (MPa)	1000
Average grain size(μm)	0.54
Accelerated aging surface monoclinic phase content(%)	<10
Radioactivity(Bq/g)	<0.1

ST (super translucent) Pre-shaded Zirconia Blank

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Indications

Full contour of :

Posterior single crown
Bridge
Maryland bridge
Inlay
Upper part of implant

ST (super translucent) Pre-shaded Zirconia Blank

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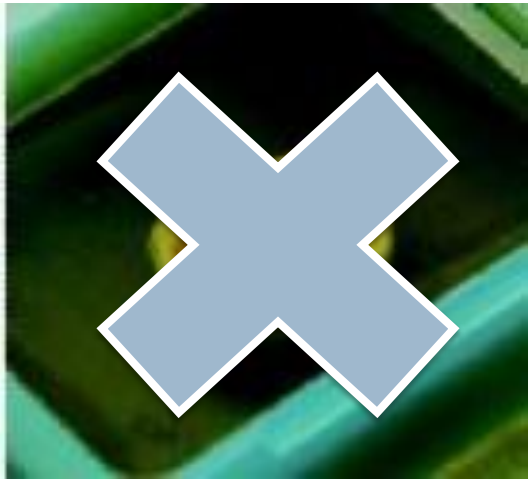
Benefits

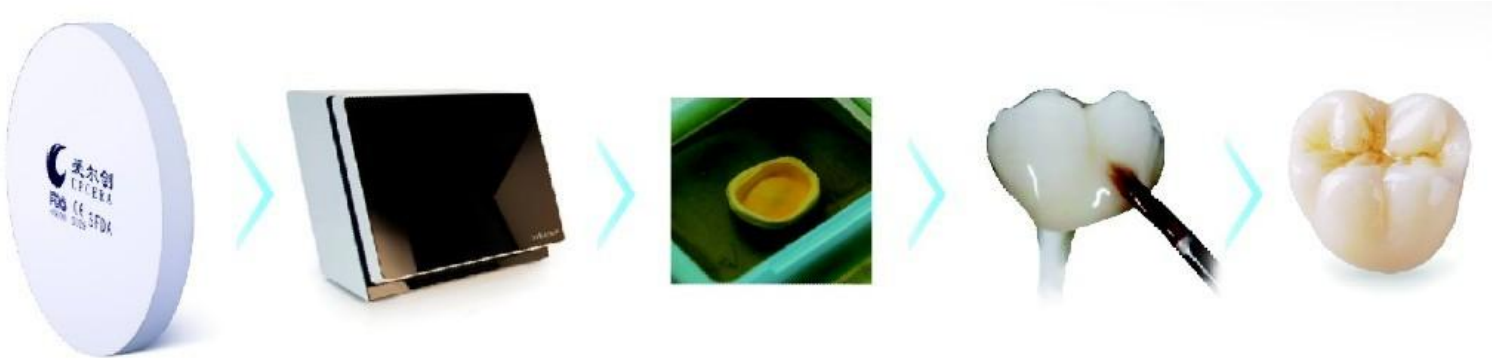
Even and stable shades

No need for hand colouring

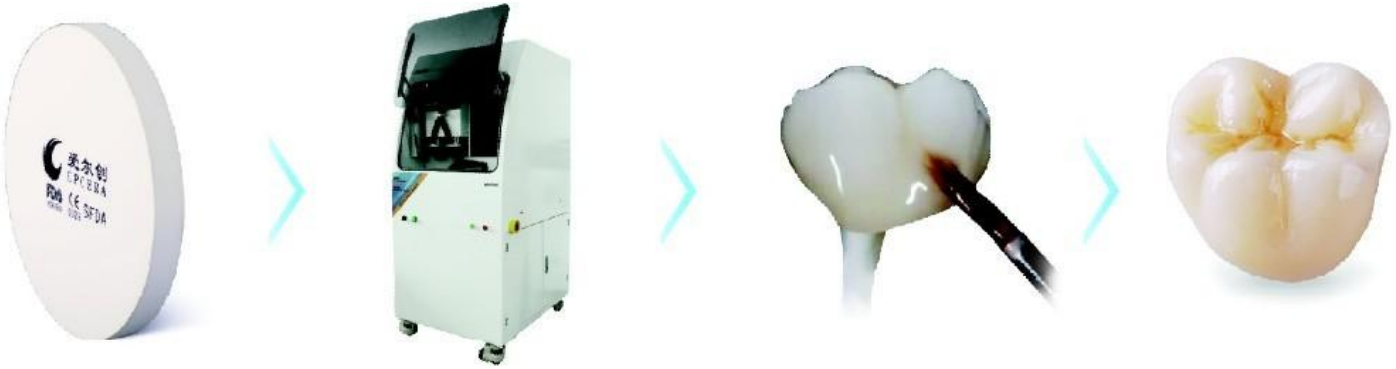


Full contour solutions

Option 1: Upcera ST + colouring liquids



Option 2: Upcera ST pre-shaded zr, no hand colouring



TT (top translucent) zirconia blank

Much more translucent Zirconia

suit for anterior full contour restorations

Light transmittance : 45%

Glass ceramics

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UpSil press

UpSil CAD

UpSil press

- High strength (400MPa)
- High esthetics
- Minimally invasive
- Lifelike esthetics, irrespective of the shade of the preparation

UpSil CAD

- High strength (400MPa)
- High esthetics
- Efficient, economical processing due to easy milling properties
- Minimally invasive restorations
- One day for a completed posterior bridge with outstanding overall strength (supported by zirconium)

Consumables

Milling bur

Manual
Milling burs

Dia 1mm

Dia 2mm

Dia 3mm

Open CAD/CAM
Milling burs

Dia 0.3mm

Dia 0.6mm

Dia 0.8mm

Dia 1mm

Dia 2mm

Consumables

Wax

No affection by temperature

Small fragment

Not easy to deform

Stable shade

Consumables

Polishing tools

Application	Triming	Triming	Polishing	Polishing	Polishing	Polishiing	Polishing	Polishing
Model	CBU11	CBU12	CBU21	CBU22	CBU31	CBU32	CBU41	CBU42
Rotating speed	20000~ 35000	20000~ 35000	20000~ 30000	20000~ 30000	15000~ 25000	20000~ 30000	10000~ 20000	10000~ 20000

Sintering Furnace

Model	NBD-B1700X-LED
Tmax	1700℃
Heating rate	≤20℃/min 10℃/min is recommended
Temp accuracy	±1℃
Heating element	silicon molybdenum rod
Thermocouple	Type B
Furnace size	120x120mm
Power factor	1.8kw
Voltage	AC:220;60/50hz
Temp control	PID intelligent control
Communication interface	RS485
Specification	400x580x850mm
Net weight	76kg

All-ceramic CAD/CAM Solution

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Upcera All-ceramic CAD/CAM solution

1. Order creation
2. Scan
3. Cad Design
4. Cam
5. Material preparation
6. Milling

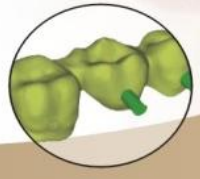
Order creation

Scan

3shape

Cad Design

3shape



Cam

3shape

Material preparation

UPCERA OPEN CAD/CAM MILLING SYSTEM

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Win-win cooperation