



**UNC**  
International

# ABOUT US

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UNC International is a dental zirconia manufacturer founded in 2013.

We work hard with professional knowledge and sales skills with the aim of manufacturing the world's best zirconia. As a result, we have grown to more than 50% market share in Korea.

Now we're heading to the global market with our technology and vision.

# OUR VALUES

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## People Centered

At UNC we understand the importance of not just health but also beauty. We invent products not just for those in need of medical reconstruction, but also those looking to upgrade their smiles.

## Dedicated to Our Service

Our dedicated team members are ready to answer any questions or concerns via phone or email, and handle any issues whether it be domestic or abroad.

## Innovating the Future Market

We are focused on creating new, never seen before Zirconia products. We hope to become the future of dental health and beauty and are making steps towards that.



# GLOBAL PARTNERS



# PRODUCT LIST

# 3D MULTILAYER

EVEREST UVS



EVEREST AT



EVEREST PT



## STRENGTH

**4Y-TZP**  
**Incisal** 900MPa  
**Cervical** 1150MPa

**4Y-TZP, 5Y-TZP**  
**Incisal** 800MPa  
**Cervical** 1100MPa

**3Y-TZP, 4Y-TZP**  
**Incisal** 1100MPa  
**Cervical** 1250MPa

## TRANSLUCENCY

**Incisal** 48%  
**Cervical** 45%

**Incisal** 48%  
**Cervical** 46%

**Incisal** 46%  
**Cervical** 44%

## INDICATION

Full Zirconia  
 Anterior, Posterior  
 Single Crown to Full Arch

Full Zirconia  
 Anterior  
 Veneer, Crown, Bridge

Full Zirconia  
 Posterior  
 Crown, Bridge, Long-span  
 Bridge, All on 4



RAZOR 800

RAZOR 1100

RAZOR 1300

RAZOR CAP



# MONOLAYER

**5Y-TZP**

800MPa

48%

Full Zirconia  
Anterior  
Veneer, Inlay, Crown,  
Bridge

**4Y-TZP**

1100MPa

46%

Full Zirconia, Coping  
Anterior, Posterior  
Inlay, Coping, Crown,  
Full Arch, All on 4

**3Y-TZP**

1300MPa

44%

Full Zirconia, Coping  
Posterior  
Crown, Bridge, Full Arch,  
All on 4

**3Y-TZP**

1400MPa

35%

Coping, Coping Bridge

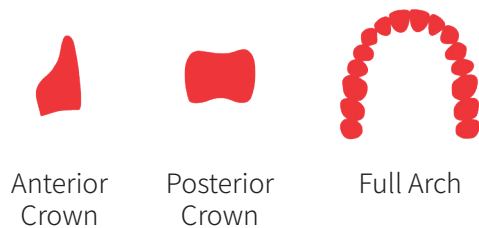
# EVEREST 3D MULTILAYER UVS



EVEREST Multilayer Universal Speed (UVS) combines our latest multilayer zirconia technology to create a strong but transparent material with no compromise to shade stability in both speed and normal sintering. Suitable for single crowns and full arches, no variation in translucency or strength. The zirconium oxide raw material of Everest UVS is 4Y-TZP

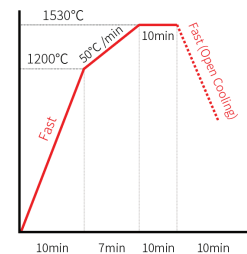
	Translucency	Strength	Block Size
Incisal	48%	900MPa	Ø 95, 98
	47%	1000MPa	12mm
	46%	1100MPa	14mm
	45%	1150MPa	16mm
			18mm
			20mm
			22mm
			25mm
			30mm
Cervical			

## Indication

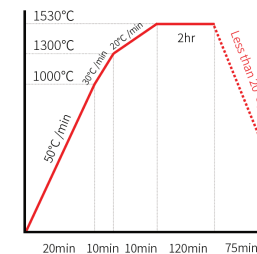


## Sintering Schedule

UVS Speed mode  
Max. temp: 1530°C  
Total hours: About 40min



UVS Normal mode  
Max. temp: 1530°C  
Total hours: About 4hr



## Shades

A1, A2, A3, A3.5  
B1, B2, B3  
C1, C2, C3  
D2, D3  
BL1, BL3

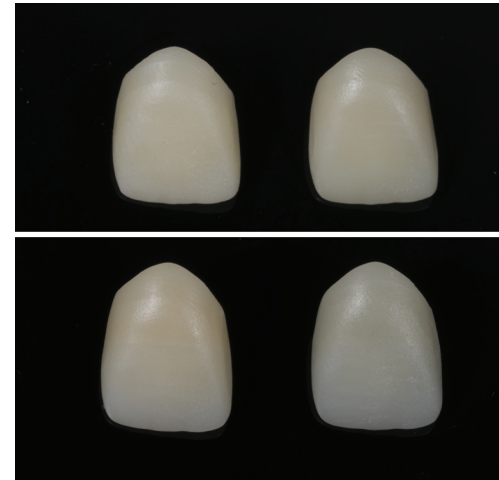
14 Shades

## Why EVEREST Multilayer UVS?

- Fast sintering zirconia
- 30 minute sintering cycle (based on single crown)
- Same results in both Normal and Speed sintering
- Same results in wide MAX temperature range (1500°C-1560°C)
- Flexural strength, translucency, and shade stability
- For all indications (single crown to full arch, anterior and posterior)

4 Hour  
Sintering

30 Minute  
Sintering



**EVEREST  
MULTILAYER  
UVS**

**OTHER  
MULTILAYERS**



### EVEREST Volcan Speed

Paired with EVEREST Multilayer UVS, sinter a crown in only 30 minutes and full arch in only 4 hours.

- 30 minute speed sintering mode
- Normal sintering- 2 layer tray capacity (90 Ø)
- Speed sintering- Maximum 5ea crowns
- Shade stability and consistency
- High purity and heat durability



### Zirconia Pre-Polishing Felt

Paired with EVEREST Multilayer UVS and EVEREST Volcan Speed, finish restorations within one visit.

- Designed for polishing zirconia before sintering
- Pre-polishing can save up to 30 minutes
- Under 1 minute for a single crown

# EVEREST 3D MULTILAYER AT



EVEREST Multilayer AT is a very high transparency multilayer zirconia designed for aesthetic prosthetics in the anterior region. Everest AT contains a blend of two zirconium oxide raw materials: 4Y-TZP and 5Y-TZP

## Translucency

Incisal



48%  
48%  
46%  
46%

Cervical

## Strength

800MPa  
800MPa  
1100MPa  
1100MPa

## Indication



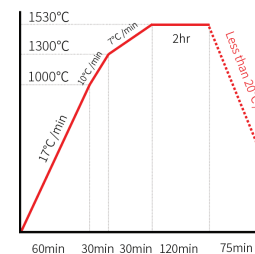
Veneer

Anterior Crown

Anterior Bridge

## Sintering Schedule

Max. temp: 1530°C  
Total hours: About 5hr



## Shades

A1, A2, A3, A3.5, A4  
B1, B2, B3, B4  
C1, C2, C3, C4  
D2, D3, D4  
BL1, BL3

18 Shades

## Block Size

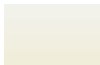

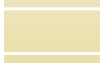

Ø 95, 98

12mm  
14mm  
16mm  
18mm  
20mm  
22mm  
25mm  
30mm

# EVEREST 3D MULTILAYER PT

EVEREST Multilayer PT is a high-strength aesthetic multilayer zirconia designed for large size prosthetics and posterior crowns that need the strength to resist strong biting pressures.

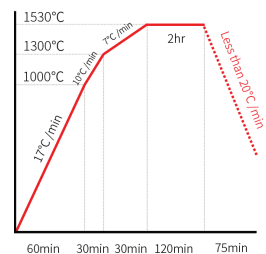
Everest PT contains a blend of two zirconium oxide raw materials: 3Y-TZP and 4Y-TZP

	Translucency	Strength
Incisal		
	46%	1100MPa
	46%	1100MPa
	44%	1250MPa
	44%	1250MPa
Cervical		



## Sintering Schedule

Max. temp: 1530°C  
Total hours: About 5hr



## Shades

A1, A2, A3, A3.5, A4  
B1, B2, B3, B4  
C1, C2, C3, C4  
D2, D3, D4  
BL0, BL1, BL2, BL3

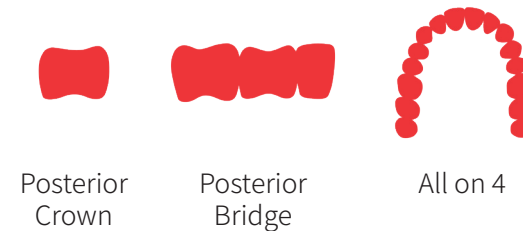
20 Shades

## Block Size

Ø 95, 98

12mm  
14mm  
16mm  
18mm  
20mm  
22mm  
25mm  
30mm

## Indication



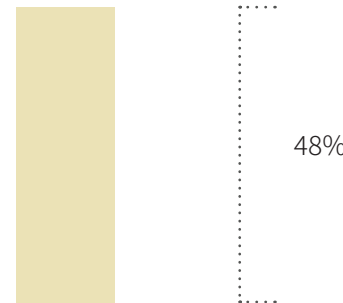


# RAZOR 800

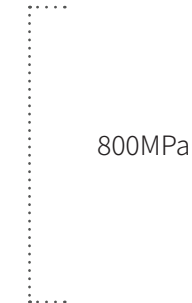


Razor 800 is a zirconia disc with a flexural strength of 800 MPa, a very highly transparent single layer zirconia designed for anterior restorations. The zirconium oxide raw material of Razor 800 is 5Y-TZP.

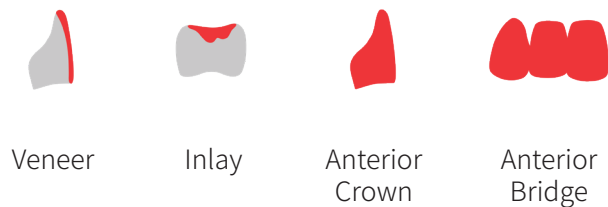
## Translucency



## Strength

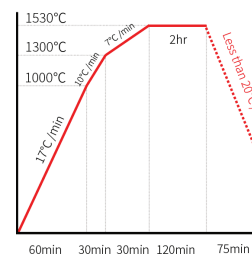


## Indication



## Sintering Schedule

Max. temp: 1530°C  
Total hours: About 5hr



## Shades

A0, A1, A2, A3,  
A3.5, A4  
B1, B2, B3, B4  
C1, C2, C3, C4  
D2, D3, D4

17 Shades

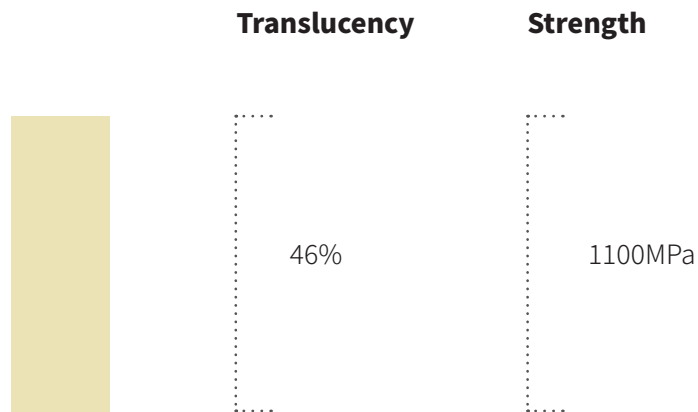
## Block Size

Ø 95, 98

10mm	20mm
12mm	22mm
14mm	25mm
16mm	30mm
18mm	

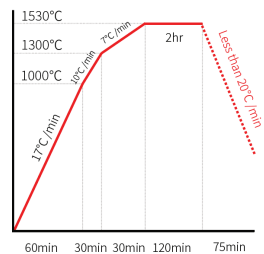
# RAZOR 1100

RAZOR 1100 is a versatile zirconia disk that can be used for both anterior and posterior restorations. It allows high quality prosthetics to be produced with a strong flexural strength of 1100 MPa and a high transparency of about 46%. The zirconium oxide raw material of Razor 1100 is 4Y-TZP.



## Sintering Schedule

Max. temp: 1530°C  
Total hours: About 5hr



## Shades

A0, A1, A2, A3,  
A3.5, A4  
B1, B2, B3, B4  
C1, C2, C3, C4  
D2, D3, D4  
BL1, BL3

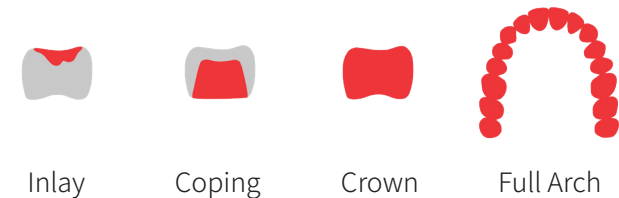
19 Shades

## Block Size

Ø 95, 98

10mm	20mm
12mm	22mm
14mm	25mm
16mm	30mm
18mm	

## Indication



# RAZOR 1300



RAZOR 1300 is a high-strength zirconia disc with a very strong flexural strength of 1300 MPa. You can use this to make full-arch cases and copings very safe and beautiful.

The zirconium oxide raw material of Razor 1300 is 3Y-TZP. High strength 3Y-TZP zirconium oxide exhibiting a flexural strength of 1300 Mpa.

## Translucency



44%

## Strength

1300MPa

## Indication



Posterior Crown



Coping



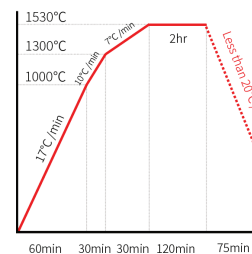
Coping Bridge



Full Arch

## Sintering Schedule

Max. temp: 1530°C  
Total hours: About 5hr



## Shades

A0, A1, A2, A3, A3.5, A4  
B1, B2, B3, B4  
C1, C2, C3, C4  
D2, D3, D4

17 Shades

## Block Size

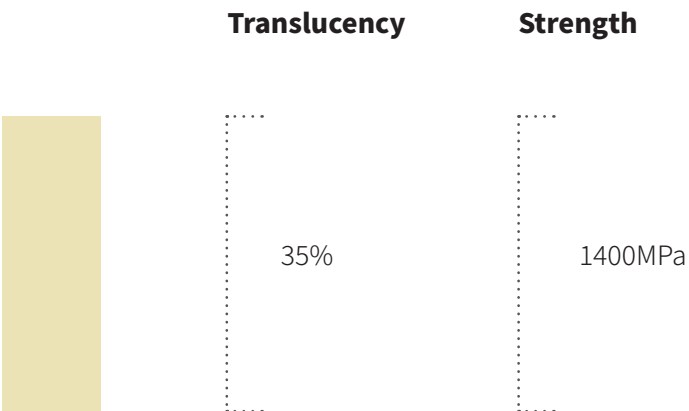
Ø 95, 98

10mm	20mm
12mm	22mm
14mm	25mm
16mm	30mm
18mm	

# RAZOR CAP

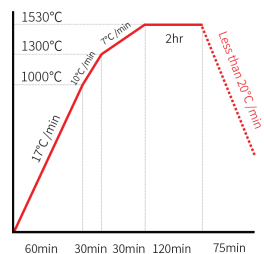
RAZOR CAP is a dedicated product for zirconia coping production. It has a flexural strength of 1400 MPa, and can be used for single caps to full arch's. This product can also be used in cases where you need to cover inner color, such as discolored teeth or to coat an implant abutment.

The zirconium oxide raw material of Razor CAP is 3Y-TZP. High strength 3Y-TZP zirconium oxide exhibiting a flexural strength of 1500 Mpa.



## Sintering Schedule

Max. temp: 1530°C  
Total hours: About 5hr



## Shades

A0 (WHITE)

## Block Size

Ø 95, 98

- 10mm 20mm
- 12mm 22mm
- 14mm 25mm
- 16mm 30mm
- 18mm

## Indication



Coping



Coping Bridge



# EVEREST VOLCAN

EVEREST Volcan is a zirconia furnace designed to maximize the performance of EVEREST Multilayer zirconia. After years of research, UNC has developed a furnace which harmoniously combines with UNC zirconia products to create a beautiful outcome.

Four super-kanthal heaters, which can increase sintering temperatures up to 1600 (2912 ) help ensure stable and successful sintering. The furnace is easily operated with a full color touch display.

## Machine Specifications

Body Size :	450 x 450 x 720mm
Body Chamber :	110 x 110 x 110mm
Max. Temp. :	1600 (2912 )
Heater :	Super-kanthal
Power* :	AC 100V - 240V $\pm$ 10% 50/60Hz, 20A



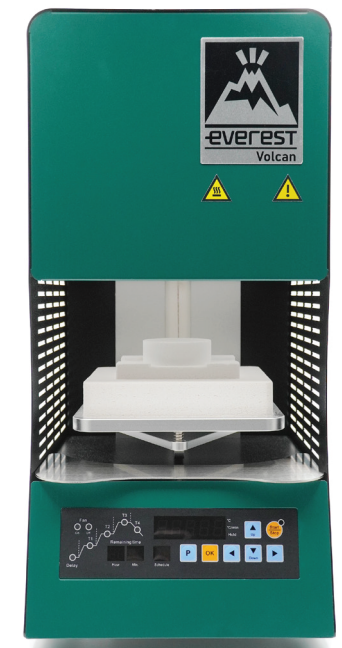
# EVEREST VOLCAN SPEED

EVEREST Volcan Speed was developed and optimized for the production of one-day zirconia prosthetics. Quickly sintered zirconia prosthetics can be produced in 40 minutes from room temperature to sintering completion. It can also be used with a normal sintering function. (A two-layer tray is also available).

Used with UNC's fast-sintering multi-layer zirconia block Everest Universal Speed (UVS) to see the best results.

## Machine Specifications

Body Size :	270 x 335 x 565mm
Body Chamber :	100 x 100 x 80mm
Max. Temp. :	1600 (2912 )
Heater :	Super-kanthal
Power* :	AC 220V, 50/60Hz, 15A



\* Power supply specifications for both EVEREST Volcan and EVEREST Volcan Speed can be adjusted to match that of desired country at buyers request.

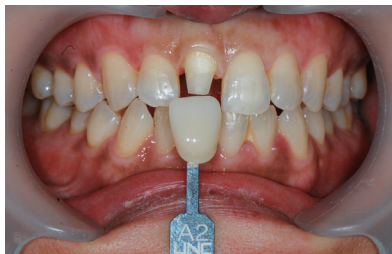


# ZIR GUIDE

The ZIR GUIDE is a zirconia shade guide created from our EVEREST Multilayer AT zirconia block.

The ZIR GUIDE comes in 18 colors, including the bleach colors BL1 and BL3. By using our own products and real zirconia for our shade guide, we are able to guarantee accurate shades throughout our line, with even easier matching.

The ZIR GUIDE can also be used with other EVEREST zirconia blocks such as PT and UVS, as the colors are made identically.



Patient shade matching



After setting

# COLORING LIQUID



EVEREST Coloring Liquid is a universal coloring liquid that can be used on any zirconia disks. It is suitable for various clinical aesthetic cases and creates a beautiful and natural finishing product.\*

## Effect

## Dentin

Incisal  
Blue  
Gray  
Violet  
Orange  
Brown  
White  
Pink  
Opaque

A1 B4  
A2 C1  
A3 C2  
A3.5 C3  
A4 C4  
B1 D2  
B2 D3  
B3 D4

\* Both dipping and brushing is applicable.  
User is responsible for application method and testing.



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\* Product packaging and design is subject to change.