



≡ UNCINT



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# 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 60% 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.



# OUR HISTORY

2013

- Founded the UNC (KICET)
- Registered Venture Company
- Licensed manufacturing medical instrument
- Obtained KGMP Certification
- Established U&C Int. R&D center (Korea Industrial Technology Association)
- Launched dental Zirconia block I-JAM

2014

- Launched I-JAM Sapphire, Ruby, Opal, New ruby
- Launched ZirMic1, ZirMic2 (First anterior zirconia block in Korea)

2015

- Export contract with Russia and Mexico

2016

- Export and manufacturing contract with China
- Supply contract with 3M Corp
- Changed into a juristic person U&C International
- Launched RAZOR 1100, 1300 (First new material block in Korea)

2017

- Launched Razor 800 for anterior teeth (First anterior high transmittance new material block in Korea)
- Launched RAZOR Coloring Liquid Natural, Effect
- Established domestic and international dental marketing and distribution company U&T
- Achieved NO.1 market share in Korea (40%)

2018

- Relocated new factory in Guro-gu, Seoul
- Launched 3D Multilayer EVEREST AT, PT
- Participated in VIDEK 2018 in Ho Chi Minh, Vietnam

2019

- Approved ISO 13845, 9001
- Approved F.D.A
- Launched EVEREST line up (AT, PT, MO)
- Established Roydent Lab in San Jose, USA
- Participated in AEEDC 2019 in Dubai, UAE
- Participated in Dental-Expo 2019 in Moscow, Russia
- Participated in HIDEK 2019 in Hanoi, Vietnam

2020

- Obtained certification in Vietnam
- Established overseas sales department
- Established a local sales corporation in Ho Chi Minh, Vietnam (UNC International SEA)
- Relocated new headquarter & factory in Danwon-gu, Ansan-si
- Participated in AEEDC 2020 in Dubai, UAE
- Participated in LMT Lab Day 2020 in Chicago, USA

2021

- Obtained MDSAP Certification (Canada, Australia, Japan, USA)
- Obtained ARTG Certification (Australia)
- Launched EVEREST Volcan (Dental electronic furnace)
- Established STL Digital Art Center (Korea and Ho Chi Minh, Vietnam)
- Participated in AEEDC 2021 in Dubai, UAE
- Participated in IDS 2021 in Koeln, Germany

2022

- Launched EVEREST Multilayer UVS
- Launched EVEREST Volcan Speed (Speed sintering furnace)
- Participated in LMT Lab Day 2022 in Chicago, USA
- Participated in IDEM 2022 in Singapore
- Participated in Dental-Expo 2022 in Moscow, Russia

2023

- UNC International welcomes a new CEO
- Participated in AEEDC 2023 in Dubai, UAE
- Participated in IDS 2023 in Koeln, Germany
- Participated in World Dental Show 2023 in Yokohama, Japan
- Participated in CADEX 2023 in Almaty, Kazakhstan
- Participated in TDA 2023 in Bangkok, Thailand

2024

- Started domestic general materials distribution business
- Revamped EVEREST Multilayer UVS
- Revamped EVEREST Volcan Speed & Mini
- Participated in IDEM 2024 in Singapore
- Participated in VIDEK 2024 & held Seminar in Ho Chi Minh, Vietnam
- Participated in AMIC 2024 in Mexico City, Mexico

# GLOBAL PARTNERS



## • SOUTH AMERICA

PERU / BRASIL / CHILE  
ECUADOR / COSTA RICA

## • NORTH AMERICA

CANADA / UNITED STATES

## • EUROPE

ALBANIA / KOSOVO / RUSSIA  
NORTH MACEDONIA / BULGARIA  
GREECE / HUNGARY / POLAND  
MOLDOVA / ITALY / ROMANIA

## • AFRICA

MOROCCO / LIBYA / TUNISIA

## • ASIA

INDIA / THAILAND / SINGAPORE  
JAPAN / HONG KONG / TAIWAN  
VIETNAM / MALAYSIA / INDONESIA  
TURKIYE / PALESTINE / ISRAEL  
IRAQ / IRAN / UAE /  
KAZAKHSTAN / UZBEKISTAN

## • OCEANIA

AUSTRALIA / NEW ZEALAND

# PRODUCT LIST

# 3D MULTILAYER

EVEREST UVS



EVEREST AT



EVEREST AT+



EVEREST PT



## STRENGTH

**Incisal** 700MPa  
**Cervical** 1150MPa

**Incisal** 800MPa  
**Cervical** 1100MPa

800MPa

**Incisal** 1100MPa  
**Cervical** 1250MPa

## TRANSLUCENCY

**Incisal** 49%  
**Cervical** 45%

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

48%

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

## INDICATION

Full Zirconia  
Anterior, Posterior  
Single Crown to Full Arch

Full Zirconia  
Anterior  
Veneer, Crown, Bridge

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

800MPa

1100MPa

1300MPa

1400MPa

48%

46%

44%

35%

Full Zirconia  
Anterior  
Veneer, Inlay, Crown,  
Bridge

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

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

Coping, Coping Bridge



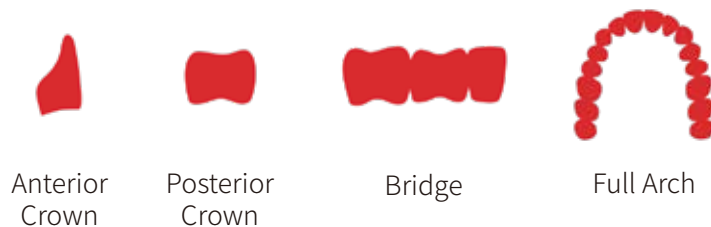
# EVEREST 3D MULTILAYER UVS



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.

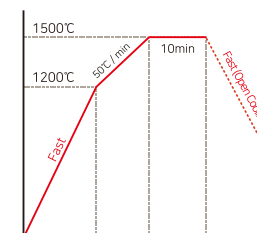
	Translucency	Strength	Block Size
Incisal			Ø 98
	49%	700MPa	12mm
	47%	900MPa	14mm
	45%	1150MPa	16mm
	45%	1150MPa	18mm
			20mm
			22mm
			25mm
			30mm
Cervical			

## Indication

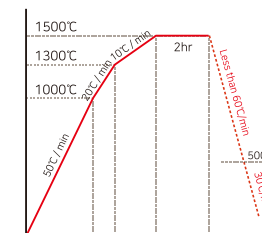


## Sintering Schedule

UVS Speed mode  
Max. temp: 1500°C  
Total hours: About 40min



UVS Normal mode  
Max. temp: 1500°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
- 40 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)



1500°C  
Normal Sintering  
**4hour**

=

1500°C  
Fast Sintering  
**40min**

## EVEREST Volcan Speed & Volcan Speed MINI

Paired with EVEREST Multilayer UVS, sinter a crown in only 40 minutes and full arch in only 4 hours.

- 40 minute speed sintering mode
- Speed sintering- Maximum 5ea crowns
- Shade stability and consistency
- High purity and heat durability



## Zirconia Pre-Polishing Felt

UNC Pre-Polishing Felt is infused with diamond paste in order to save time when polishing and provides a fast high gloss effect.

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

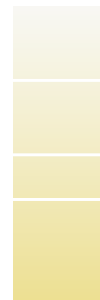


EVEREST Multilayer AT is a very high transparency multilayer zirconia designed for aesthetic prosthetics in the anterior region.

## Translucency

## Strength

Incisal



48%

48%

46%

46%

800MPa

800MPa

1100MPa

1100MPa

Cervical

## Indication



Veneer



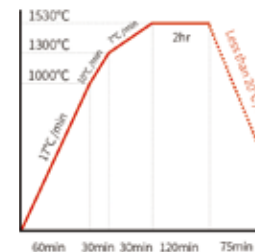
Anterior  
Crown



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  
BL0, BL1, BL2, BL3

20 Shades

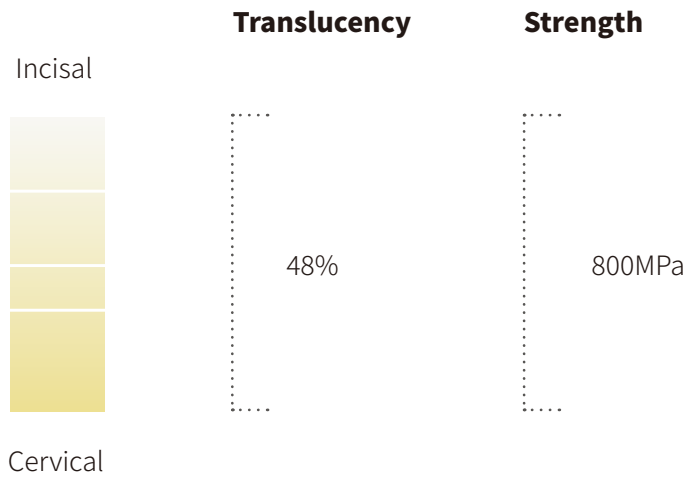
## Block Size

Ø 95, 98

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

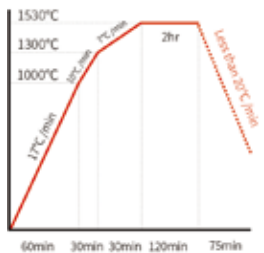
# EVEREST MULTILAYER AT+

EVEREST Multilayer AT+ is a very high transparency multilayer zirconia designed for aesthetic prosthetics in the anterior region.



## 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



Veneer



Anterior  
Crown



Anterior  
Bridge

# EVEREST 3D MULTILAYER PT

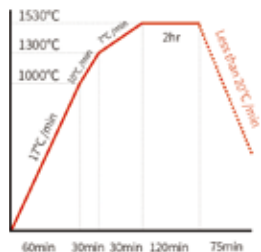
EVEREST Multilayer PT is a high-strength aesthetic multilayer zirconia designed for large size prosthetics and posterior crowns that need the strength to resist strong biting pressures.

	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

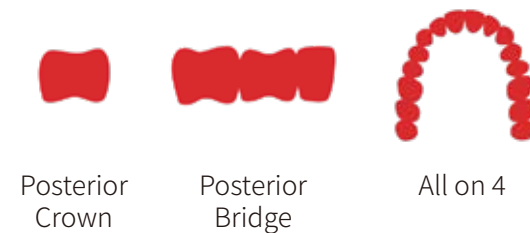
20 Shades

## 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.

## Translucency



48%

## Strength

800MPa

## Indication



Veneer



Inlay



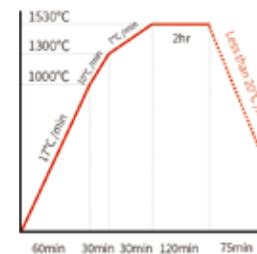
Anterior  
Crown



Anterior  
Bridge

## 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

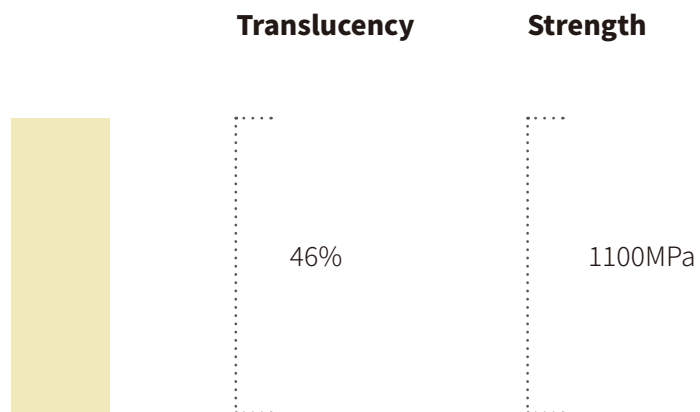
## Block Size

Ø 95, 98

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

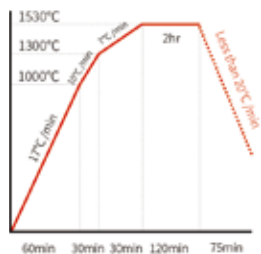
# RAZOR 1100

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%.



## 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

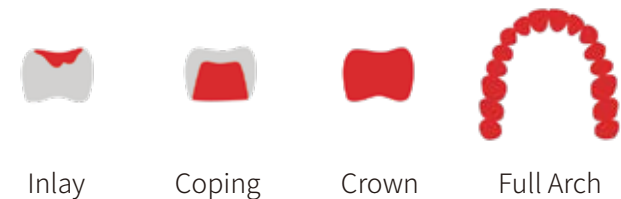
19 Shades

## 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.

## Translucency



44%

## Strength

1300MPa

## Indication



Posterior Crown



Coping



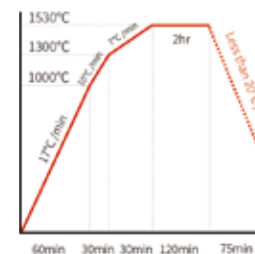
Coping Bridge



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

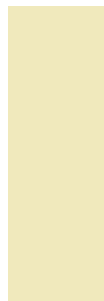
10mm	20mm
12mm	22mm
14mm	25mm
16mm	30mm
18mm	



# 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.

## Translucency



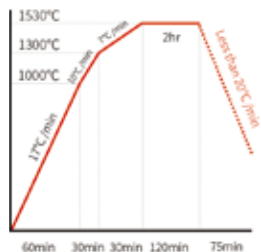
35%

## Strength

1400MPa

## 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 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.

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

## Volcan Speed Specifications

\*A two-layer tray is also available

Product Dimension : 300(W) x 400(D) x 640(H)  
Chamber Dimension : Ø100mm x 80mm  
Weight : About 41kg

Max. Temp. : 1600°C (2912°F)  
Heater : MoSi<sub>2</sub> 1900 Grade  
Power : AC 220V, 50/60 Hz

## Volcan Speed MINI Specifications

Product Dimension : 270(W) x 380(D) x 570(H)  
Chamber Dimension : Ø70mm x 60mm  
Weight : About 36kg

Max. Temp. : 1600°C (2912°F)  
Heater : MoSi<sub>2</sub> 1900 Grade  
Power : AC 220V, 50/60 Hz



# 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

Incisal  
Blue  
Gray  
Violet  
Orange  
Brown  
White  
Pink  
Opaque

## Dentin

### Dipping (RAZOR A0 : WHITE) : U&C Natural

A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4, BL1, BL3 50ml

### Brushing (Pre-shade : 1100, 1300, 1400, MO, CAP) : U&C

Natural A1, A2, A3, A3.5, A4 50ml

\* 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.