

DENTALMAX

CAD/CAM PRODUCT

ABOUT US

QUALITY FIRST! Korea's best dental zirconia manufacturer

DENTALMAX was founded in 2009, aiming to create trustful and satisfying products for all.

And as a result of our efforts, we launched our CAD/CAM zirconia brand "LUXEN" in 2013, becoming the most trustworthy dental zirconia manufacturer in Korea. With our knowledge and experiences, we could successfully expand our business globally, recognized for its excellent and innovative qualities.

We promise to continue to develop and improve to be the advanced leader of dental market.

IDENTITY

- ① Quality management through smart factory
- ② Systemized quality control based on ISO 13485

Quality Control

- ① Product differentiation and technological competitiveness enhancement through R&D investment
- ② Continuous technology development and application through training of R&D / development experts
- ③ Collaboration of R&D Net work with research organization

R & D

- ① Development / launch of trend-leading new products
- ② Systematic response to customer complaints
- ③ Seeking for virtuous cycle structure of growth and development of companies / customers

Respect

- ① Establishment of DMD Academy Division
- ② Providing customized training service for correct use of products
- ③ Various educational curriculums based on clinical cases

Education

CERTIFICATE

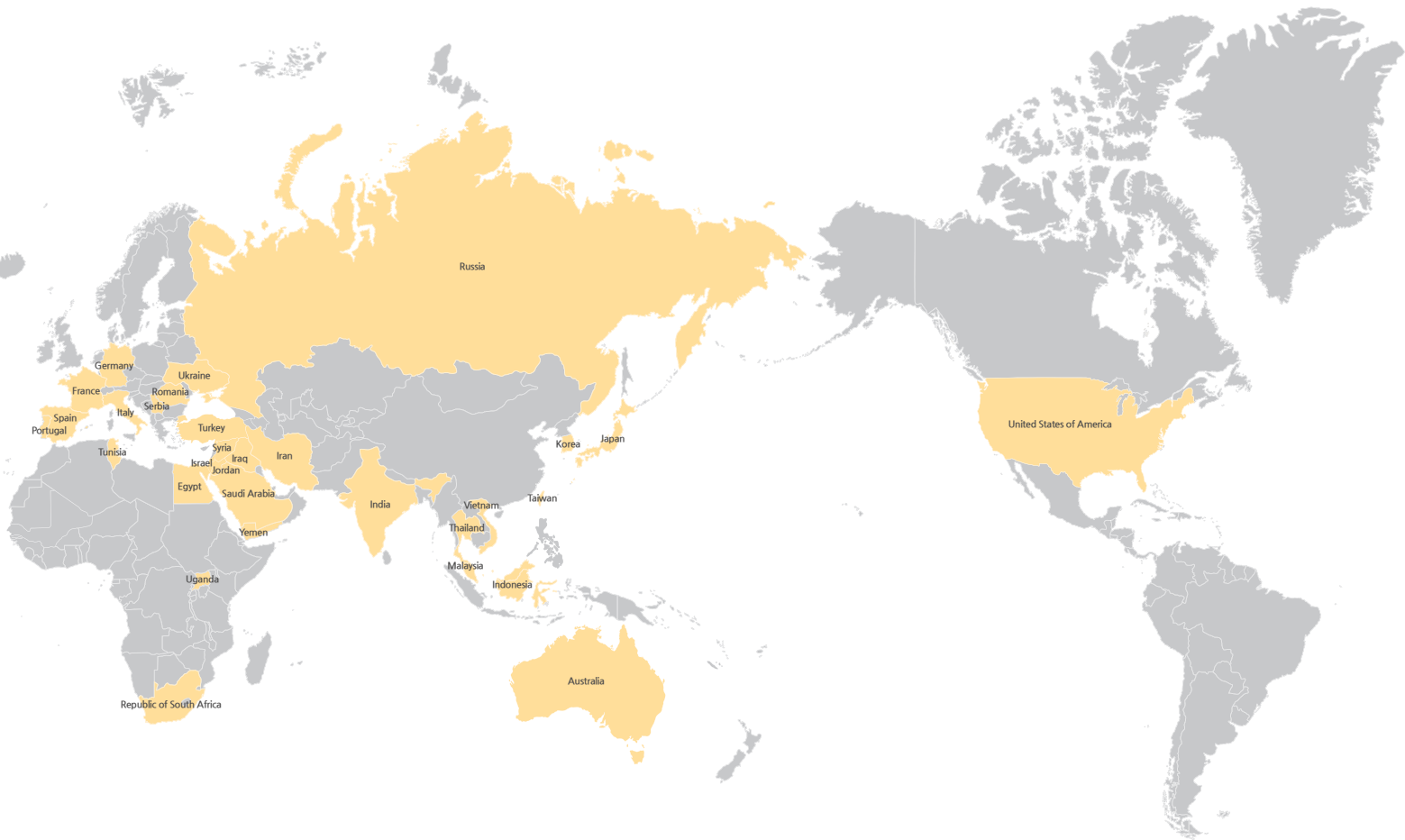
KOREA	KGMP
EUROPE	CE
USA	FDA
JAPAN	MHLW
TAIWAN	TFDA
UKRAINE	UA.TR.126
RUSSIA	RZN
AUSTRALIA	ARTG
ETC	CFS

Patent

PRODUCTION METHOD OF ZIRCONIA CERAMICS IN THE TEETH COLOR
(10-0876059)

MANUFACTURING METHOD OF ZIRCONIA MULTI-LAYERED BLOCK FOR ARTIFICIAL TEETH
(10-1655996)

Global Partners



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SUMMARY

PRODUCTS

	1200+600 MULTI	1100 MULTI	1200 ZR	1100 ENAMEL	600/800 SMILE
SHADE	WHITE	SHADE	SHADE & WHITE	SHADE & WHITE	SHADE & WHITE
STRENGTH	Incisal 700(±50)MPa Cervical 1100(±100)MPa	Incisal 1100(±100)MPa Cervical 1100(±100)MPa	1200(±200)MPa	1100(±100)MPa	Shade 800(±50)MPa White 600(±50)MPa
TRANSLUCENCY	Incisal 49% Cervical 42%	Incisal 45% Cervical 42%	Shade 40% White 41%	Shade 44% White 45%	Shade 48% White 49%
INDICATION	Up to 6-bridge	Single to long span bridge	Single to long span bridge	Single to long span bridge	Inlay, Veneer, Single

MULTI LAYER BLOCK

1200 + 600 MULTI (SHADE)

High transparency of Occlusal / Incisal

Simplify coloring, increase work efficiency

16 VITA Classical Shade, 12~25mm line-up



DT. Min Seung KIM



Size

Disk Type (Φ = 95 / 98 / 100)
12mm
14mm
16mm
18mm
20mm
22mm
25mm

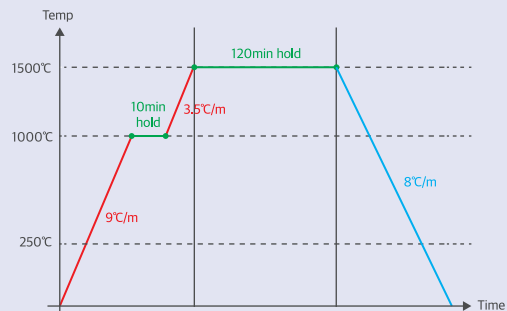
Product Code

MA1, MA2, MA3, MA3.5, MA4
 MB1, MB2, MB3, MB4
 MC1, MC2, MC3, MC4
 MD2, MD3, MD4

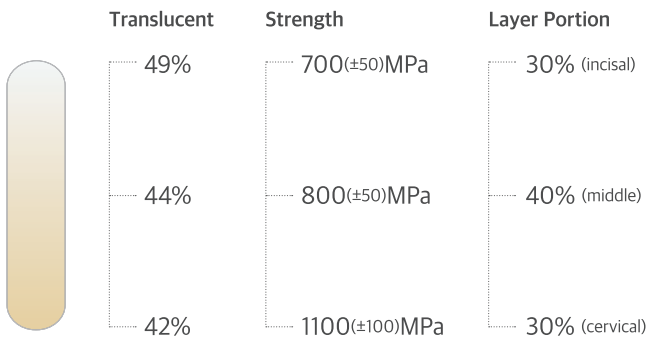
Indication

Up to 6-bridge

Sintering Schedule



* According to the condition of the furnace, recommended 1500°C(±30°C) can be used for proper temperature.



MULTI LAYER BLOCK

1200 + 600 MULTI (WHITE)

Natural VITA Classical Shade Matching by Dipping

Reproducibility of emergency shades such as C, D shades / 3D Master shades

Esthetic prosthesis utilizing Incisal's high transparency

Reduced block replacing time before milling



Dip a zirconia crown into dedicated LUXEN Dipping Liquid for 10 seconds.



Wash the dipped crown with distilled water.
Remove the water with clean tissue or air gun.



Dry the crown at 200~250°C for 30 minutes.



Sinter the dried crown with recommended schedules.



Size

Disk Type (Φ = 95 / 98 / 100)
12mm
14mm
16mm
18mm
20mm
22mm
25mm

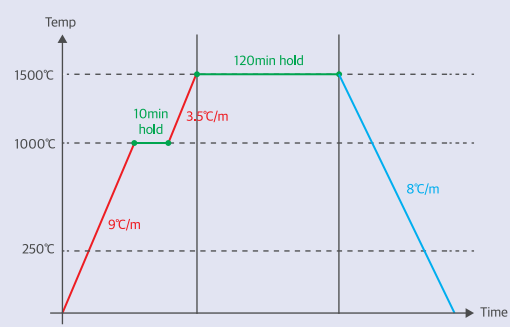
Product Code

MHT	Bleaching Shade
	A1, A2, A3
MHT	B1, B2, B3
Medium	C1, C2, C3
	D2, D3
	A3, A3.5, A4
MHT	B3, B4
Dark	C3, C4
	D3, D4

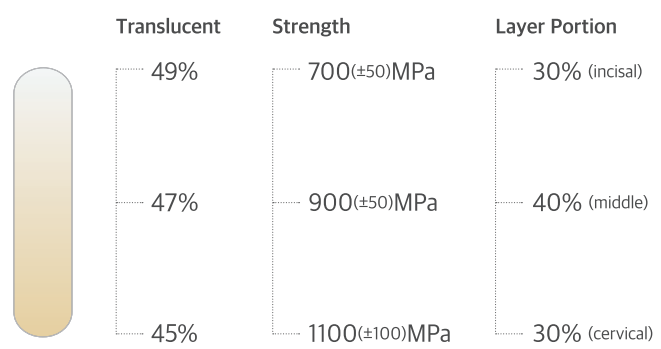
Indication

Up to 6-bridge

Sintering Schedule



* According to the condition of the furnace, recommended 1500°C(±30°C) can be used for proper temperature.



* Using Dipping Dentin Liquid

MULTI LAYER BLOCK

1100 MULTI (SHADE)

Opal Translucent of the incisal part expresses natural transparency

Possible to work Long bridge case including Anterior part

16 VITA Classical Shade, 12~25mm line-up





Size

Disk Type (Φ = 95 / 98 / 100)
12mm
14mm
16mm
18mm
20mm
22mm
25mm

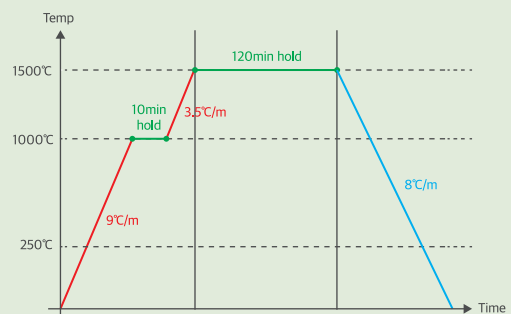
Product Code

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

Indication

Single to long span bridge (Anterior / Posterior)

Sintering Schedule



* According to the condition of the Furnace, 1500(±30)C is used to find the proper temperature.

Translucent



45%
 42%

Strength

1100(±100)MPa
 1100(±100)MPa

Layer Portion

30% (incisal)
 40% (middle)
 30% (cervical)

PRESHADE BLOCK

1200 ZR



High stability of prosthesis
Suitable for long span bridges and implant bridges

1100 ENAMEL



Excellent strength and transparency
Suitable for various types of prosthesis

Product Code

S1 (A1)
S2 (A2)
S3 (A3)
S4 (C2)

Strength

1200(±200)MPa

Translucent

40%

Indication

Single to long span bridge

Product Code

E1 (A1)
E2 (A2)
E3 (A3)
E4 (C2)

Strength

1100(±100)MPa

Translucent

44%

Indication

Single to long span bridge

600/800 SMILE



High transparency enables to make extra esthetical prosthesis

Product Code

- S1** (A1)
- S2** (A2)
- S3** (A3)
- S4** (C2)

Strength

800(±50)MPa

Translucent

48%

Indication

Inlay, Veener, Single

Size

Disk Type

(Φ = 95 / 98 / 100)

10mm

12mm

14mm

16mm

18mm

20mm

22mm

25mm

Shade Application

VITA SHADE GUIDE	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
S1 E1																
S2 E2																
S3 E3																
S4 E4																

Clinical Case

- 1100 Enamel E2



DT. Min Seung KIM

WHITE BLOCK

1200 ZR



High stability of prosthesis
Suitable for long span bridges and implant bridges

1100 ENAMEL



Excellent strength and transparency
Suitable for various types of prosthesis

Product Code

HT
OP

Strength

1200(±200)MPa

Translucent

41%

Indication

Single to long span bridge

Product Code

E0

Strength

1100(±100)MPa

Translucent

45%

Indication

Single to long span bridge

600/800 SMILE



High transparency enables to make extra esthetical prosthesis

Product Code

HT

Strength

600(±50)MPa

Translucent

49%

Indication

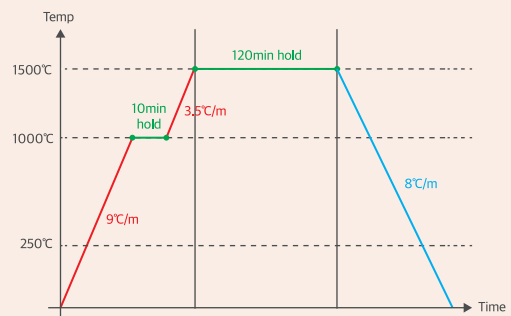
Inlay, Veneer, Single

Size

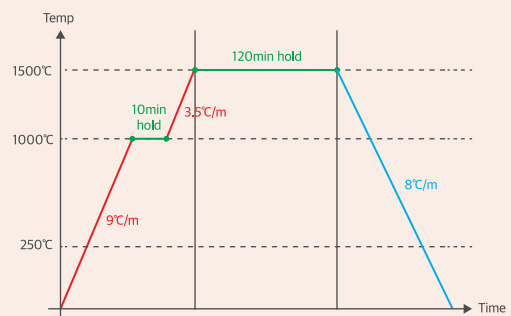
Disk Type (Φ = 95 / 98 / 100)
10mm
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25mm

Sintering Schedule

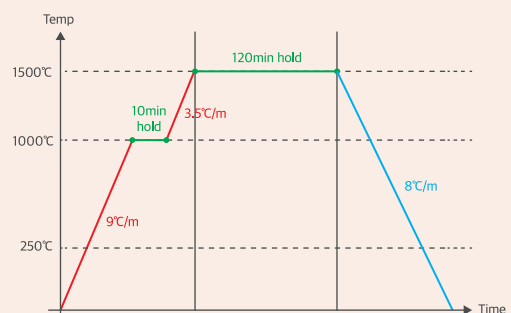
Ⓐ 1200 ZR



Ⓑ 1100 ENAMEL



Ⓒ 600/800 SMILE



* According to the condition of the furnace, recommended 1500°C(±30°C) can be used for proper temperature.

LUXEN CL

Fast and Convenient
making it easy for anyone
to express color in Zirconia



DENTIN (50ml)

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

DIPPING DENTIN (50ml)

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

SPECIAL (30ml)

ENAMEL

Enamel 1, Enamel 2, Enamel 3, Enamel EP

TRANSLUCENT

Translucent 1, Translucent 2, T-Glass

OPAL TRANSLUCENT

Natural Gray, Ice Blue

MODIFIER

Yellow, Amber, Brown, White Opaque, White, Creamy White, White Enamel

CERVICAL

Cervical A, Cervical B, Cervical C, Cervical D

GINGIVA

Gingiva 1

PONTIC

Pontic



ENAMEL

To express enamel layer, neutralize the color of dentin to adjust the chroma.
- To express enamel layer more, add additional brush after drying.
- With Enamel EP Liquid, express the effects of 'Enamel Liquid' and 'Translucent Liquid' at once.



TRANSLUCENT

To express translucency on the occlusal and incisal.
- Brush over the same part of the Enamel liquid.



OPAL TRANSLUCENT

To emphasize transparency on the occlusal and incisal partially.
- To emphasize transparency more, brush shorter than Enamel and Translucent liquid.



MODIFIER

To express additional chroma on occlusal and interproximal.
- To express the chroma of clear character, use Amber liquid in A & C Shade and use Yellow liquid in B & D Shade.
- Use White Opaque liquid to mask the inner surface opaquely.



CERVICAL

To express depth of the chromaticity of the dentin and cervical.
- If dentin or cervical shade is too light, use Cervical liquid to increase the chroma.



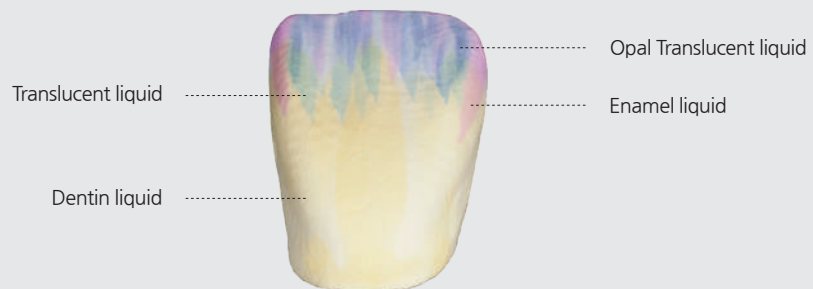
GINGIVA

To express gum naturally.

PONTIC

When dipping, using for controlling the change in chroma according to the thickness of the pontic part, diluting / mixing liquids.
(It has the effect of preventing the decrease in the brightness of the enamel layer.)

COLORING



LUXEN FURNACE

Coloring liquid oxides generate oxidizing gas at high temperature that is effectively exhausted by LUXEN Furnace's air purification system



Temperature Sensor	THERMOCOUPLE B-TYPE (Φ 0.5mm)
Temperature Measurement Range	0 ~ 1900℃
Input Power	110/220V (50/60Hz)
Power Consumption	1KW
Size of Package Box	350 (W) x 450 (D) x 550 (H)
Size of Furnace	80 (W) x 100 (D) x 100 (H)
Product Weight	35kg
Maximum Operating Temperature	1650℃
Recommended Operating Temperature	Below 1600℃
Heater Type	MoSi2 Heater (1900℃)
Number of Heaters	2EA



Air circulation system

Exceptional shades can be expressed by discharging GAS generated by burning coloring liquid (metal oxide) that can contaminate the furnace.



High durability

Long-term usable 1,900℃ MoSi2 hot wire is used.
High-performance refractory is used to maintain accurate temperature.



Compact size

Compact and cost-effective machine created only with necessary functions.

LUXEN EDUCATION

DMD Academy

Provide numerous training and education for the correct use of products

Domestic and International seminars based on clinical cases by professional technicians

Product training seminar for partners and technicians

Field seminar in various domestic and foreign regions with global partners



Find more videos!

Online
Seminar

Offline
Seminar

CLINICAL CASE

First Oral Examination

Final Setting

1200+600 MULTI [MHT]



1200+600 MULTI [MA1]



1200+600 MULTI [MA2]



1100 MULTI [A2]



1100 ENAMEL [E2]





Manufacture · Academy · Consulting

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Homepage



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