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DENTAL PRODUCTS 3D PRINTING MATERIALS DEVICES





## PRODUCT LIST

#### **3D PRINTING**

Tornado XL / Tornado Twin Tornado Twin 3D Cleaner Twin Cure / Twin Cure V Dental Model (White / Beige / Grey) Castable (Blue) Individual Tray (Yellow)

#### DENTAL Stain & Glaze

Stain & Glaze Lunar Universal Lunar Plus Universal

#### LISI PRESS SYSTEM 15-17

LiSi Press LiSi Investment System LiSi Al<sub>2</sub>O<sub>3</sub> Plunger Press Separator Press Ceramic Cleaner

#### DENTAL ETCHANT 18-23

Zirconia Etchant Cloud System Ceramic Etchant 5 Ceramic Etchant 9 Tooth Etchant

#### DENTAL PRIMER 24

Zirconia Primer

#### DENTAL LAB MATERIAL

25-28

Lunar Dia Paste Cera Sep Bottle / Pen CERA Mix / CERA Mix Glaze Rubber Sep Zirconia Beads LC Jig

#### DENTAL DETERGENT

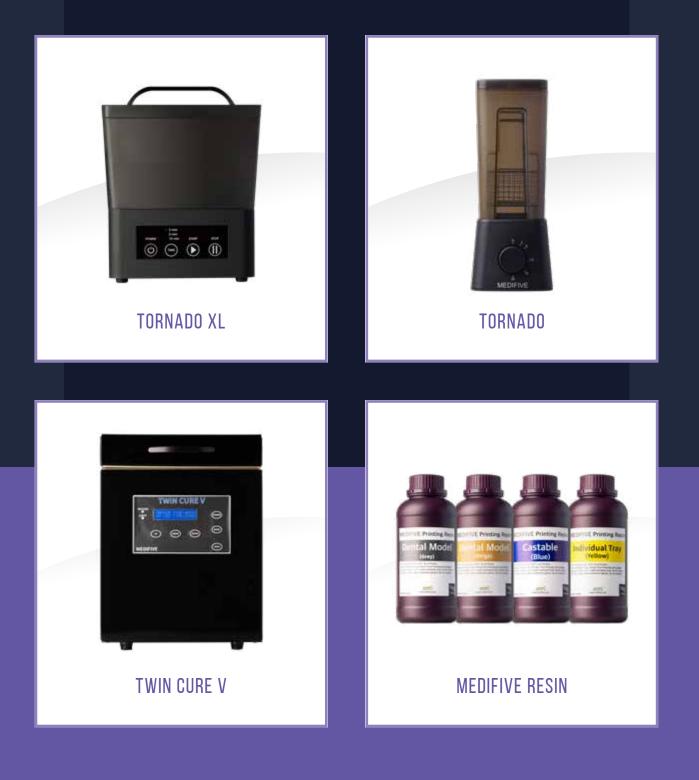
29-30



Hepta Zyme Clean Fresh Vac Clean 13-14

#### MEDIFIVE

## **3D PRINTING**



#### **3D PRINTING**

## TORNADO XL

#### **3D PRINTED OBJECT WASHER**

Tornado XL is a 3D printed object washer. It can be washed big build plate with large wash container. Two wash stirrers also provide quick and powerful washing performance.



#### PURPOSE

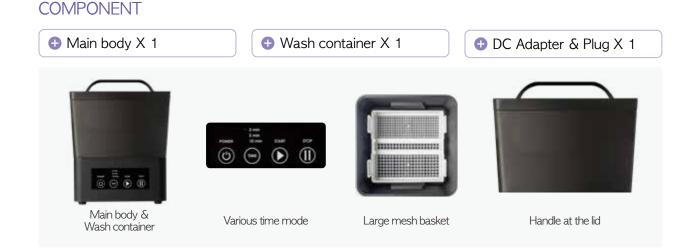
3D printed object washing

#### FEATURE AND BENEFIT

- Powerful performance(Two wash stirrers)
- Removable wash container
- Large wash container(width 25 cm)
- Compatible with a variety of 3D printers
- Translucent wash container
- Various time mode
- Chemical resistance housing
- Including hydrometer

#### SPECIFICATION

Black / White
30 X 30 X 33 cm
About 3 kg
48 W
AC 100-240 V, 50/60 Hz



### 3D PRINTING TORNADO

#### 3D PRINTED OBJECT WASHER

Tornado is a 3D printed object washer. It has reasonable price and powerful performance with adjustable speed controller.



#### PURPOSE

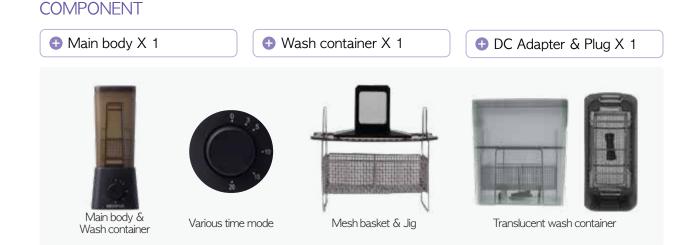
3D printed object washing

#### FEATURE AND BENEFIT

- Reasonable price
- Removable wash container
- Various wash method
- Compatible with a variety of 3D printers
- Translucent wash container
- Adjustable timer and speed controller
- Chemical resistance housing

#### **SPECIFICATION**

Color	Black / White
Size	14 X 28 X 33 cm
Weight	About 2.5 kg
Electric consumption	48 W
Voltage	AC 100-240 V, 50/60 Hz



#### 3D PRINTING

## TWIN TORNADO

#### **3D PRINTED OBJECT WASHER**

Twin Tornado is a 3D printed object washer. It has quick and powerful washing performance.



#### PURPOSE

3D printed object washing

#### FEATURE AND BENEFIT

- Twice performance with two wash containers
- Removable wash container
- Various wash method
- Compatible with a variety of 3D printers
- Translucent wash container
- Various time and mode
- Chemical resistance housing

#### SPECIFICATION

Color	Black / White
Size	25 X 25 X 35 cm
Weight	About 3 kg
Electric consumption	48 W
Voltage	AC 100-240 V, 50/60 Hz



#### **3D PRINTING**

## TWIN 3D CLEANER

#### CLEANER FOR 3D PRINTED OBJECT

Twin 3D Cleaner is the safe 3D printed object cleaning solution without risk of fire.



#### PURPOSE

3D printed object cleaning

#### FEATURE AND BENEFIT

- Zero risk of fire
- Safe ingredient
- Powerful performance
- Prevention of uncured resin polymerization after cleaning
- Using 2 ~3 times longer than the alcohol
- Wash or rinse with water for easy after cleaning
- Cleanable without damage to VAT & build plate

#### SPECIFICATION

Color	Clear
Capacity	1 L / 5 L / 18 L





**3D PRINTING** 

## 3D PRINTING TWIN CURE

#### **3D PRINTED OBJECT CURING UNIT**

Twin Cure is a fast curing machine for 3D printed object. It has good volume stability performance.



#### PURPOSE

- Curing for 3D printing resin
- Curing for UV light curable resin

#### FEATURE AND BENEFIT

- Double wavelength(365 + 405 nm)
- Fast and stable curing(7 way lgith irradiation)
- Big chamber(ø 140 X 80 mm)
- Auto turn table

COMPONENT

- Various irradiation mode(Front & Lid, Back & Lid, All)
- Various time(10 min, 20 min, 30 min)

#### **SPECIFICATION**

Color		Black
Size		25 X 25 X 25 cm
Weight		About 3 kg
Electric consump	otion	70 W
	110 V	AC 100-120 V, 50/60 Hz
Voltage	220 V	AC 200-240 V, 50/60 Hz

# Image: A C Plug X 1 Image: A C Plug X 1 Image: A C Plug X 1

#### Main body

365, 405 nm Wavelength

All plane reflector treatment

Big Chamber & Auto turn table

### 3D PRINTING TWIN CURE V

#### VACUUMABLE 3D PRINTED OBJECT CURING UNIT

Twin Cure V is vacuuamble and powerful curing machine for 3D printed object. It can make performance of resin high.



#### PURPOSE

- Curing for 3D printing resin
- Curing for UV light curable resin

#### FEATURE AND BENEFIT

- Double wavelength(365 + 405 nm)
- Powerful vacuum performance
- Fast and stable curing
- Big chamber
- Auto turn table
- 32 ea powerful LED
- Various time and vacuum mode

#### **SPECIFICATION**

Black
28 X 28 X 35 cm
About 10 kg
250 W
AC 100-240 V, 50/60 Hz

#### COMPONENT



**3D PRINTING** 

#### **3D PRINTING**

## DENTAL MODEL

Dental Model for 3D printing is used for making precise dental model. It has high mechanical properties and well printing.



#### INDICATION

- Orthodontic model
- Master cast model
- Removable die model
- Diagnostic model

#### FEATURE AND BENEFIT

- 3 kinds of color
- No light reflection
- Smooth gypsum-like surface
- Autoclavable
- Good physical properties
- High volumetric stability
- Compatible with a variety of 3D printers

#### **SPECIFICATION**

Color	White / Beige / Grey
Wavelength	385, 405 nm
Printing method	LCD / DLP / SLA

#### DELIVERY FORM

• Bottle(500 g) X 1	⊕ Bottle (1 kg) X 1
3 kinds of color	Compatible with a variety of 3D printers

3 kinds of color

Compatible with a variety of 3D printers

**3D PRINTING** 

### 3D PRINTING CASTABLE

Castable for 3D printing is used for making cast object with precision, stability and well burning.



#### INDICATION

- Dental casting
- Jewelry casting
- Industrial casting

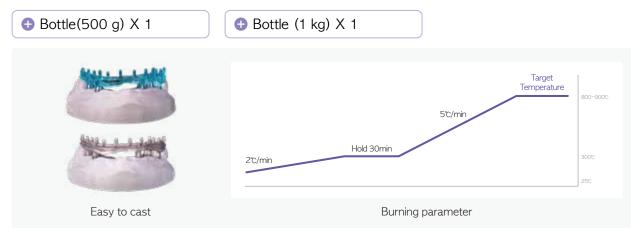
#### FEATURE AND BENEFIT

- Blue color
- Fast printing
- Accurate printing
- Well burning without residue
- Good physical properties
- High volumetric stability
- Compatible with a variety of 3D printers

#### **SPECIFICATION**

Color	Blue
Wavelength	385, 405 nm
Printing method	LCD / DLP / SLA

#### DELIVERY FORM



Rf. Thiago Bin & Luis Schuck

#### **3D PRINTING**

## INDIVIDUAL TRAY

Individual Tray for 3D Printing is used for making individual tray.

#### INDICATION

- Individual tray
- Recording base
- Gorthic arch tracer

#### FEATURE AND BENEFIT

- High-strength not easily broken
- Impact strength that does not break against falling
- Easy printing with low viscosity
- Similar color to existing analog products



#### SPECIFICATION

Color	Yellow
Wavelength	385, 405 nm
Printing method	LCD / DLP

#### DELIVERY FORM

Bottle(500 g) X 1

🔁 Bottle (1 kg) X 1



DENTAL

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**IMPLANT JIG RESIN** 



ZIRCONIA ETCHING



#### **DIAMOND PASTE**

## STAIN & GLAZE

Lunar Universal is used for glazing surface of dental ceramic prostesis. It has low fusing temperature.

It can be used Lithium disilicate, feldspar, zirconia and etc.



#### INDICATION

- Glazing zirconia surface
- Glazing lithium disilicate surface
- Glazing glass ceramic surface

#### FEATURE AND BENEFIT

- Low fusing glaze material
- Various 31 ea colors
- Excellent glaze performace
- High mechanical properties
- Fast glaze time
- Excellent handling
- Conventional jar type

#### SPECIFICATION

Ingredient	Glass ceramic mixture
Form	Low viscosity paste

#### DELIVERY FORM

Advanced Kit	<ul> <li>Glaze X 2</li> <li>Stain X 29</li> <li>CERA Mix Glaze</li> </ul>
Starter Kit	<ul> <li>Glaze X 2</li> <li>Stain X 8</li> <li>CERA Mix Glaze</li> </ul>
Refill	<ul> <li>Glaze 5 g</li> <li>Glaze powder 20 g</li> <li>Stain 5 g</li> <li>CERA Mix Glaze 50 ml</li> </ul>



Various 31 ea colors

Bulk type: Powder

Low fusing stain & glaze

## STAIN & GLAZE

Lunar Plus Universal is used for glazing surface of dental ceramic prostesis. It has low fusing temperature. It can be used Lithium disilicate, feldspar, zirconia and etc.



#### INDICATION

- Glazing zirconia surface
- Glazing lithium disilicate surface
- Glazing glass ceramic surface

#### FEATURE AND BENEFIT

- Low fusing glaze material
- Various 31 ea colors
- Excellent glaze performace
- High mechanical properties
- Fast glaze time
- Excellent handling
- Syringe type

#### **SPECIFICATION**

Ingredient	Glass ceramic mixture
Form	High viscosity paste

#### DELIVERY FORM

Advanced Kit	<ul> <li>Glaze X 2</li> <li>Stain X 29</li> <li>CERA Mix Glaze</li> </ul>
Starter Kit	<ul> <li>Glaze X 2</li> <li>Stain X 8</li> <li>CERA Mix Glaze</li> </ul>
Refill	<ul> <li>Glaze 5 g</li> <li>Stain 5 g</li> <li>CERA Mix Glaze 50 ml</li> </ul>



Various 31 ea colors



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1	45	50	749

Low fusing stain & glaze

Syringe type

#### LISI PRESS SYSTEM

## LISI PRESS

#### **INGOT PRESS MACHINE**

LiSi Press is suitable for a wide variety of dental ingot pressing by powerful compressed air.



#### PURPOSE

Production of ceramic or peek restoratives

#### FEATURE AND BENEFIT

- Compact size
- Powerful press performance
- Low electric consumption
- 100 g / 200 g Platform
- Easy and quick adjustment of compressed air with control valve
- Systemized(Ring, Former, Separator and Plunger)
- Easy to use with various accessary
- Safe and comportable auto press system

#### **SPECIFICATION**

Color	Black / Silver
Size	15 X 15 X 32 cm
Weight	About 6 kg
Electric consumption	12 W
Voltage	AC 100-240 V, 50/60 Hz



100 g & 200 g Platform



Adjustable valve

#### DELIVERY FORM



#### LISI PRESS SYSTEM

## LISI INVESTMENT SYSTEM

LiSi Investment System is used for investing the pressable ceramic or peek prosthesis.

#### INDICATION

Investing for pressable prosthesis

#### FEATURE AND BENEFIT

- Translucent silicone ring
- Black shine surface former
- Wax pattern position dot
- Stackable and easy to store
- Perfect fit with ingot and plunger

#### SPECIFICATION

100 g silicone ring, 200 g silicone ring 100 g former, 200 g former

#### DELIVERY FORM

🕂 100 g LiSi Press Investment System X

😌 200 g LiSi Press Investment System X

#### LISI PRESS SYSTEM

**PURPOSE** 

## LISI INVESTMENT SYSTEM

LiSi Investment System is used for investing the pressable ceramic or peek prosthesis.

Ceramic or peek ingot press plunger

Perfect fit with ingot and investment ring

FEATURE AND BENEFIT

No bond with ingot excess

High purity alumina

Glossy surface

Re-useable

### SPECIFICATION

Size

13 X 35 mm

#### DELIVERY FORM

➡LiSi Al<sub>2</sub>O<sub>3</sub> Plunger(2 ea) X 1



#### LISI PRESS SYSTEM

## PRESS SEPARATOR

Press Separator is used for preventing adhesion between pressable ceramic ingot and alumina plunger.

### Press Separator Container

#### INDICATION

Separator for ingot and plunger

#### FEATURE AND BENEFIT

- Excellent separating performance
- High purity of separating ingredient
- Economical(Re-fill type)
- Easy to subdivide
- Good fitting container with plunger
- Plunger can be mounted at the container

#### DELIVERY FORM

Set	<ul> <li>Bottle(500 mg) X 1</li> <li>Container X 1</li> </ul>
Refill	🕂 Bottle(500 mg) X 1

## PRESS CERAMIC CLEANER

Press Ceramic Cleaner is for removing reaction layer at pressed glass ceramic surface.

## Cleaner

#### PURPOSE

Removing the reaction layer

#### FEATURE AND BENEFIT

- Easy to remove reaction layer
- Stain / Glaze becomes easy
- Improved adhesion expectation effect
- Excellent performance

#### **SPECIFICATION**

Ingredient

Acid mixture

#### DELIVERY FORM

Bottle(1 L) X 1

### DENTAL ETCHANT ZIRCONIA ETCHANT CLOUD SYSTEM

Zirconia Etchant Cloud System is used for etching of zirconia prosthesis with safe and easy.



#### INDICATION

- Zirconia inlay, onlay, partial crown and veneer
- Zirconia crown & bridge
- All kinds of low retention zirconia prosthesis

#### FEATURE AND BENEFIT

- Safety(Safe shell & Neutralizer)
- Using low concentration HF(9 %)
- Easy to use[Module package]
- Excellent etching surface
- Higher shear bond strength with resin cements
- Low degree contact angle(Wettability)

#### DELIVERY FORM

- Safe Shell X 1
- Cloud Pack(5 g) X 20
- 🕀 ZR Neutralizer(50 ml) X 2
- Tirconia Etchant(5 ml) X 2
- 🕂 Disposable Tip X 20
- HF Indicator X 1
- PH Indicator X 1

## ADVANTAGE OF ZIRCONIA ETCHING

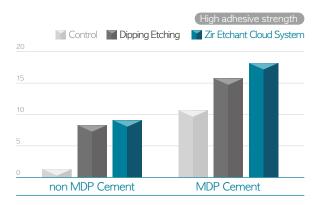
#### More Stable and uniform surface than sandblast

Micro-surface analysis (Before / Zir Etchant Cloud System / Sandblast)



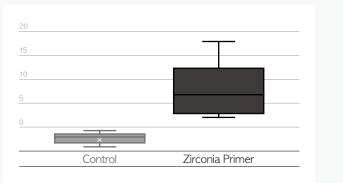
#### High adhesive strength solves various clinical problems(defeated & Broken)





#### MORE POWERFUL AND STABLE ADHESIVE EFFECT WITH ZIRCONIA PRIMER

Zirconia Primer's high performance and compatibility with various materials



#### Primer of various materials

S Lithium Disilicate Glass Ceramic	
Curve Certer Cer	
Nano Hybrid Ceramic	
Seldspar Ceramic	
Ceramic	
Composite	

\* Zirconia primer contains 10-MDP, which chemically improves adhesion with zirconia, hydroxy apatite and calcium ions.

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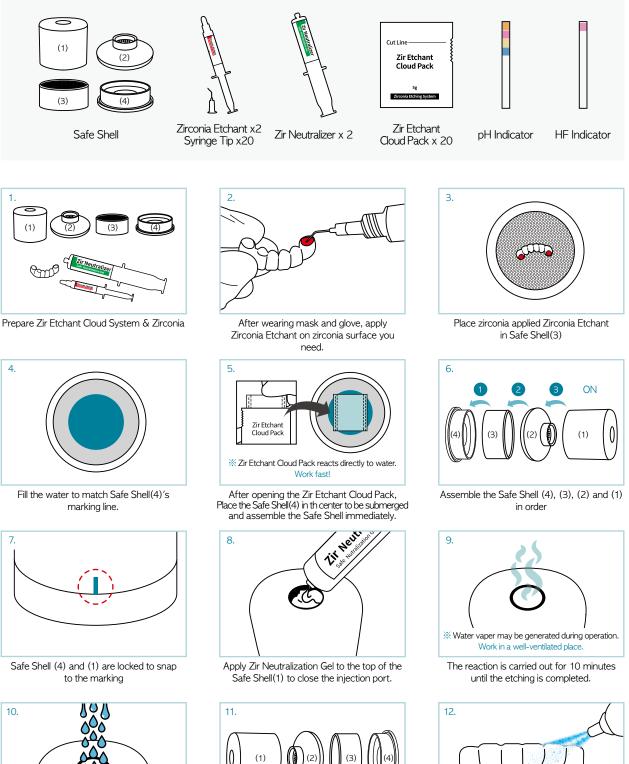
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### **DENTAL ETCHANT INSTRUCTION FOR USE**

1

4.

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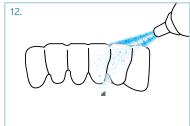




- the Safe inlet for 30 second at the sink.
- After decomposing Safe Shell in reverse order. The Zirconia collected and cleaned.

OFF

DENTAL ETCHANT



The etched zirconia is cleaned with an ultrasonic cleaner or a steam cleaner, and air dried.

## CERAMIC ETCHANT 5

Ceramic Etchant 5 is 5 % HF etching gel for dental ceramic restoration to increase the retentive bonding surface.



#### INDICATION

- Lithium disilicate
- Glass ceramic
- All kinds of glass based prosthesis

#### FEATURE AND BENEFIT

- Red color(Easy identification)
- Good to apply with brush(Low viscosity gel)
- Using low concentration HF(5 %)
- Easy to use(Bottle type)
- Excellent etching performance
- High shear bond strength with resin cements
- Low degree contact angle(Wettablility)

#### **SPECIFICATION**

Color	Red
Ingredient	HF
Viscosity	Low viscosity gel

#### DELIVERY FORM

Bottle(5 ml) X 1



Red color

Easy to use : Bottle type

## CERAMIC ETCHANT 9

Ceramic Etchant 9 is 9 % HF etching gel for dental ceramic restoration to increase the retentive bonding surface.



Color	Red
Ingredient	HF
Viscosity	High viscosity gel

Ceramic Etchant 9

mic Exching Gel

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#### FEATURE AND BENEFIT

**INDICATION** 

Lithium disilicateGlass ceramic

- Red color(Easy identification)
- Good to build-up(High viscosity gel)

All kinds of glass based prosthesis

- Using high concentration HF(9 %)
- Easy to use(Syringe type)
- Excellent etching performance
- High shear bond strength with resin cements
- Low degree contact angle(Wettablility)

#### DELIVERY FORM

- Syringe(2.5 ml) X 2
- Disposable tip X 20



Red color

Easy to use : Syringe type

## DENTAL ETCHANT TOOTH ETCHANT

Tooth Etchant is used for etching to increase adhesive retention of teeth with containing 37 % phosphoric acid.



#### INDICATION

- Etching dentin and enamel of teeth
- All kinds of teeth etching

#### **SPECIFICATION**

Color	Blue
Ingredient	H <sub>3</sub> PO <sub>4</sub>
Viscosity	High viscosity gel

#### FEATURE AND BENEFIT

- Fast and effective etching(37 % Phosphoric acid)
- Easy and correct etching(Semi-gel type)
- Easy removal and safe(No residue)
- Easy application(Syringe type)
- No oozing

#### DELIVERY FORM

- 🕀 Syringe(3 ml) X 5
- Disposable tip X 20



### DENTAL PRIMER ZIRCONIA PRIMER

Zirconia Primer is used for primer containing 10-MDP and silane. It effects bonding of zirconia, glass ceramic and resin prosthesis.



#### INDICATION

- Zirconia prosthesis
- Glass based prosthesis
- Composite resin prosthesis

#### FEATURE AND BENEFIT

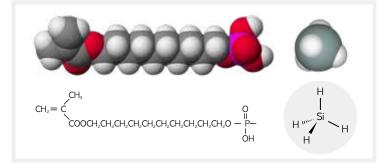
- High purity primer ingredients(10-MDP, Silane)
- Excellent Performance
- Stable dispersion
- Very low viscosity(Easy to application)
- Easy to use(Bottle type)

#### SPECIFICATION

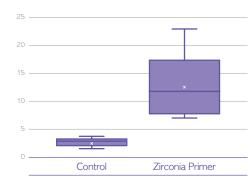
Color	Yellow
Ingredient	10-MDP, Silane
Viscosity	Low viscosity

#### DELIVERY FORM

Bottle(4 ml) X 1







Shear Bonding Strength

Lunar Dia Paste is used for one-step polishing applicable to various materials such as zirconia, lithium disilicate, glass ceramic, hybrid ceramic and etc.



#### **INDICATION**

- Polishing zirconia surface
- Polishing lithium disilicate surface
- Polishing glass ceramic surface
- Polishing glass based composite surface
- Polishing resin surface
- Polishing precious and non-precious alloy surface

#### FEATURE AND BENEFIT

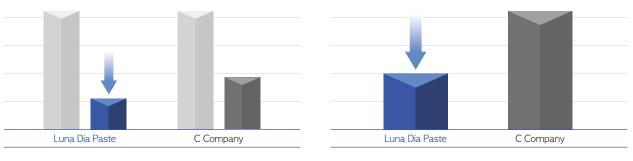
- One-step polishing
- Using with various materials
- Special abrasives (improved polishing surface)
- Fine diamond particle
- Excellent polishing performance
- Hard type binder

**SPECIFICATION** 

Ingredient	Diamond mixture
Form	Light solid grey

#### DELIVERY FORM

🕂 Jar(50 g) X 1



Surface roughness after polishing

Diamond particle size

## CERA SEP BOTTLE / PEN

Cera Sep(porcelain powder separator) is used for build-up work(pontic base, proximal etc.).

It has two types of container(pen and bottle).

#### **INDICATION**

Separating porcelain powder from the model

#### FEATURE AND BENEFIT

- High purity separating ingredient
- Excellent separating performance
- Two types(Convenient and economical)
- Easy to use(Pen-brush & lid-brush))
- No residue
- No color change
- No sticky

#### SPECIFICATION

Ingredient	Oil
Form	Clear liquid

#### DELIVERY FORM

Pen(4.5 ml) X 1

🕀 Bottle(12 ml) X 1

## CERA MIX / CERA MIX GLAZE

CERA Mix(Universal Build-up liquid) / CERA Mix Glaze(Universal glaze liquid) is used for both low and high temperature porcelain powders.

#### **INDICATION**

- Viscosity control of porcelain powder
- Viscosity control of glaze paste

#### FEATURE AND BENEFIT

- Easy viscosity control
- Easy precise build-up
- Easy to use(Tiny hole in narrow lid)
- No residue
- No color change after firing
- No sticky

#### SPECIFICATION

Ingredient	Thickener
Form	Clear liquid

CERA Mb

#### DELIVERY FORM

🕂 CERA Mix Glaze(Left, 50 ml) X 1

🕒 CERA Mix(Right, 250 ml) X 1



Rubber Sep is pink-colored separator that can be used for separating between implant abutment and wax.

#### INDICATION

Separating wax from the implant abutment

#### FEATURE AND BENEFIT

- Fast drying
- Excellent separating performance
- Easy to use(Brush type)

#### SPECIFICATION

Ingredient	Rubber
Form	Pink liquid

Rubber Sep

DELIVERY FORM

Bottle(12 ml) X 1

## ZIRCONIA BEADS

Zirconia Beads is sintering beads that it can be used for sintering with zirconia prosthesis.

#### INDICATION

Sintering with zirconia prosthesis

#### FEATURE AND BENEFIT

- 2 mm size
- High purity
- Easy to use(Nozzle type)

#### SPECIFICATION

Ingredient	Zirconia
Form	2 mm Bead

#### DELIVERY FORM

Bottle(200 g) X 1



LC JIG

LC Jig is used for making implant verification jig. It has red color. It can be cured at UV & Blue light wavelength.



#### INDICATION

Making implant verification jig

Making fixation jig

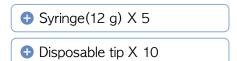
#### SPECIFICATION

Ingredient	Mixed resin
Form	<b>Red gel</b> (High viscosity)

#### FEATURE AND BENEFIT

- Curable by dual light(UV & Blue)
- Easy handling
- Syringe type
- Excellent physical properties
- High volumetric stability

#### DELIVERY FORM





Easy handling

### DENTAL DETERGENT HEPTA ZYME CLEAN

#### 7 KINDS OF ENZYME, INSTRUMENT DETERGENT

Hepta Zyme Clean is a safe instrument cleaning agent suitable for South Korea safety standards.



#### INDICATION

- Cleaning dental instrument
- Cleaning with enzyme

#### FEATURE AND BENEFIT

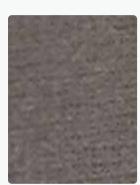
- Eco-friendly and safe cleaning with 7 types of enzyme
- Safe cleanser passed skin irritation test
- Reliable product confirmed at South Korea safety standards
- Powerful cleaning with cleaning ingredients
- Economical cleaning by 100~125 times dilution with water
- Using easy and excellent cleaning result
- Apple mint scents enable fresh cleaning

#### **SPECIFICATION**

Color	Green
Capacity	1 L

#### DELIVERY FORM

🕀 1 L Bottle X 1







After



Before



After

#### **DENTAL DETERGENT**

## FRESH VAC CLEAN

#### SUCTION SYSTEM / SPITTOON DETERGENT

Fresh Vac Clean is an excellent suction system and spittoon cleaning agent suitable for South Korea safety standards.



#### **INDICATION**

- Cleaning suction system
- Cleaning spittoon

#### **SPECIFICATION**

Color	Yellow
Capacity	2 L

#### FEATURE AND BENEFIT

- Powerful cleaning and deodorizing ingredient
- Safe cleanser passed skin irritation test
- Reliable product confirmed at South Korea safety standards
- Powerful cleaning ingredients
- Economical cleaning by 100~125 times dilution with water
- Using easy and excellent cleaning result
- Lemon scents enable fresh cleaning

#### **DELIVERY FORM**

2 L Bottle X 1



Before



After