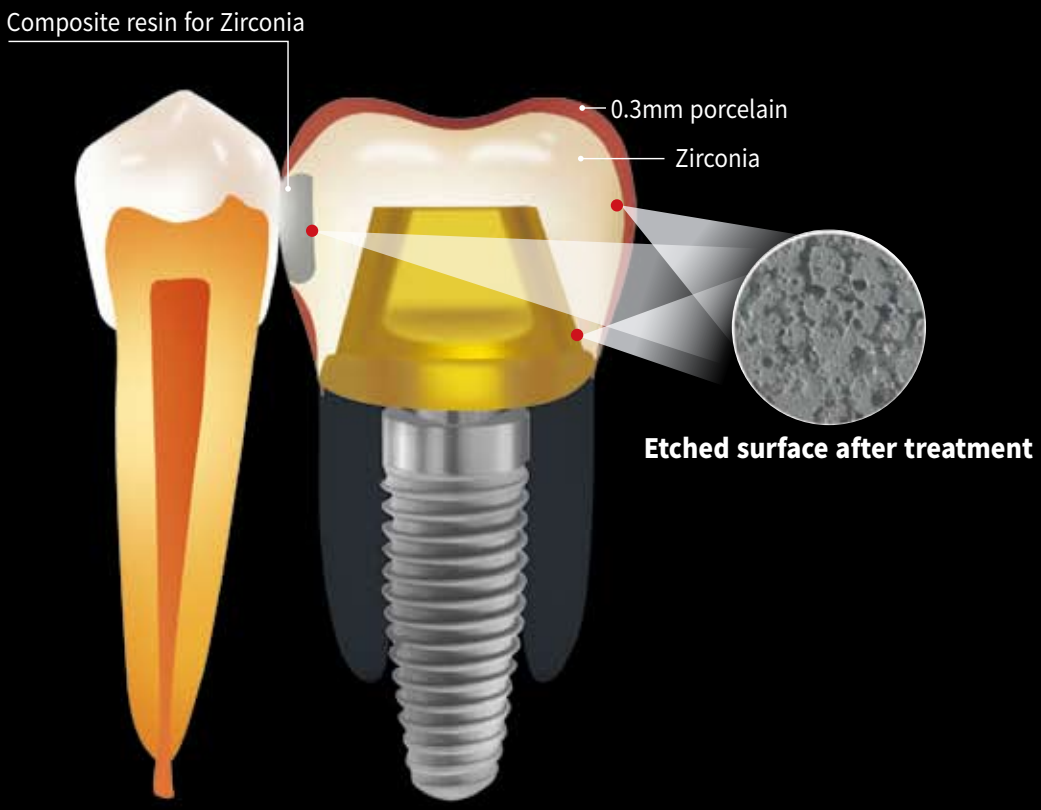
The world's first etching technique for zirconia crown.

New Etched Full Zirconia system

ZIRCOS-E®

Zirconia Etching Solution - E



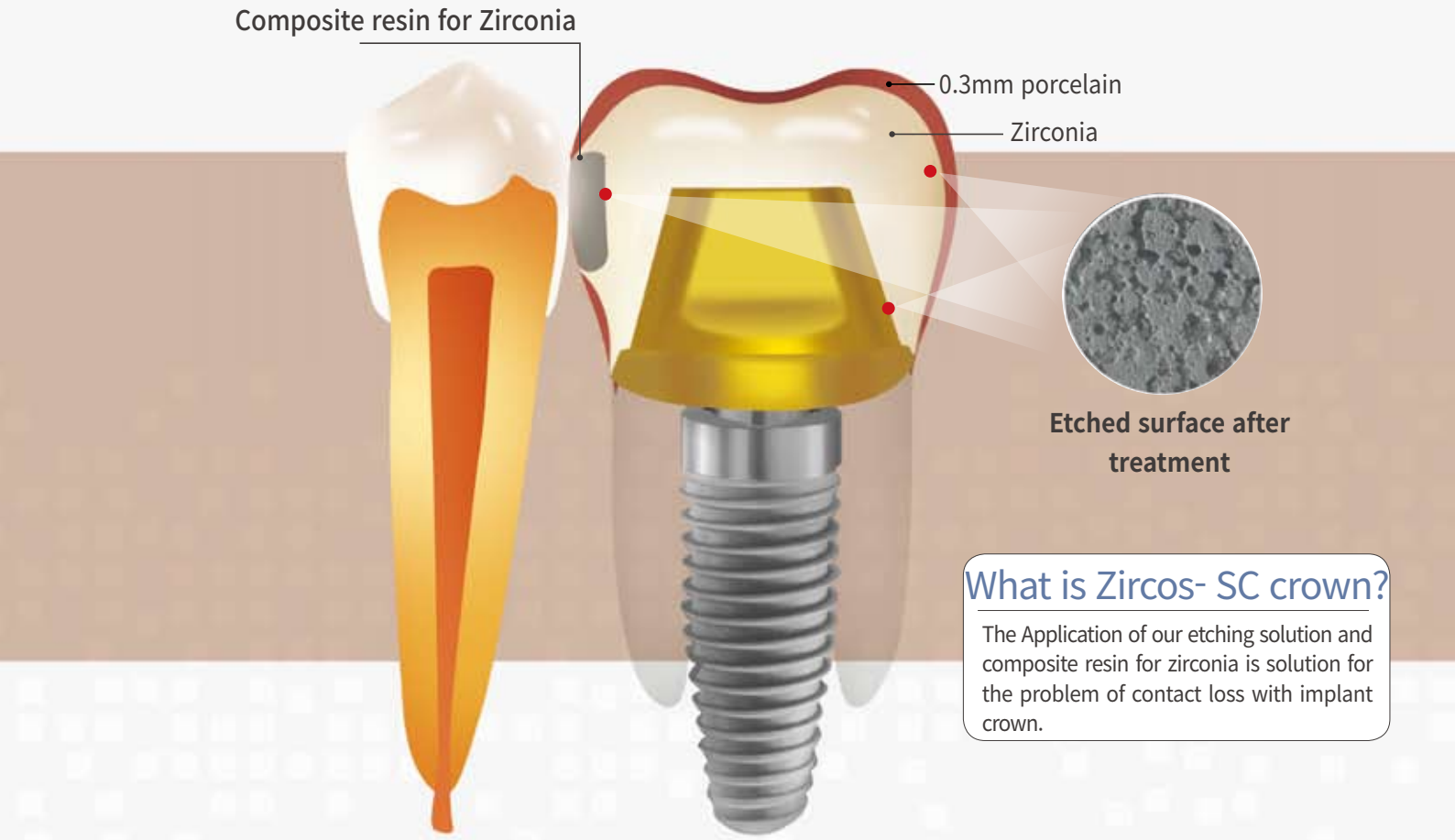
Certificate of Authenticity

Bioden, in collaboration with KICET(Korea Institute of Ceramic Engineering & Technology) have developed Zircos-E crown which is a full zirconia crown in hand by our zircona etching solution.)

BIO DEN

BIO DEN CO., LTD.

Zircos- E etching solution preventing Implant contact loss. Zircos–SC Crown (Smart contact)



Etched surface after treatment

What is Zircos- SC crown?

The Application of our etching solution and composite resin for zirconia is solution for the problem of contact loss with implant crown.


Certificate of Test

KICET

Korea Institute of Ceramic Engineering & Technology


Certificate No. : 2014-0262

Test Results

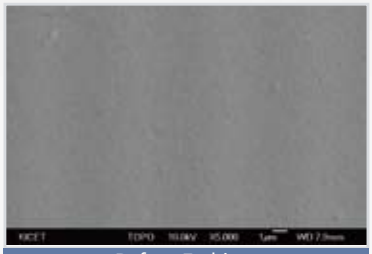

Certificate of Test

KICET

Korea Institute of Ceramic Engineering & Technology

Certification of bonding strength after etching.

Zircos–E® surface treatment



Before Etching

After Etching

SEM by KICET Ph. D Kim

- **Incredible bonding strength!**
  Zircos- E, liquid base etching solution roughens crown surface to increase bonding strength with porcelain, cementation and the bonding between a natural tooth and a full zirconia crown.
- **Looks and Feels like your own teeth!**
  (This Etching solution allows for a natural looking full zirconia crown with application of porcelain.)
- **Hassle free adjustment!**
- **No more micro-cracks!**

Full zirconia

Zircos-E

Photo by Doctor of Dental Surgery Heo

Zircos-Inlay

- Using Zircos-inlay anterior block can provides same shade color as ceramic inlay in addition to provide more strength.
- Zircos- E etching solution will increase the bonding between a natural tooth and a Zircos – Inlay.

Etching treatment

Before

After

Before

After

Before

After

Zircos–E® Etching solution

CE 0120 KFDA FDA

"Don't settle for the old way of making crowns.
START MAKE PREMIUM Tooth using our revolutionary
ZIRCOS -E etching solution."

"Be the first to provide this unique service to your clients."

Zircos–E® Types of Block

Posterior Block 1200MPA (1550℃ sintering)

Pure Block

Shade Block

Multi Block

Anterior Block 800MPA (1500℃ sintering)

Shade Block

Multi Block

CE 0120 KFDA FDA

Zircos-E® Aqua Coloring Liquid

Acid free!
Contamination free!

Color

Dentine

Aqua Coloring Liquid component

Dentine	A1, A2, A3, A3.5, A4
	B1, B2, B3, B4
	C1, C2, C3, C4
	D2, D3, D4
Color	Gray, Pink, Violet, Brown, White, Orange, Blue, Dark gray

CE 0120 KFDA FDA


Creative Management
Ethical Management
Communication Management
Bioden research institute provides innovative and creative products of excellent quality with accurate information.
BIO DEN
Etched Full Zirconia technique

BIO DEN

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