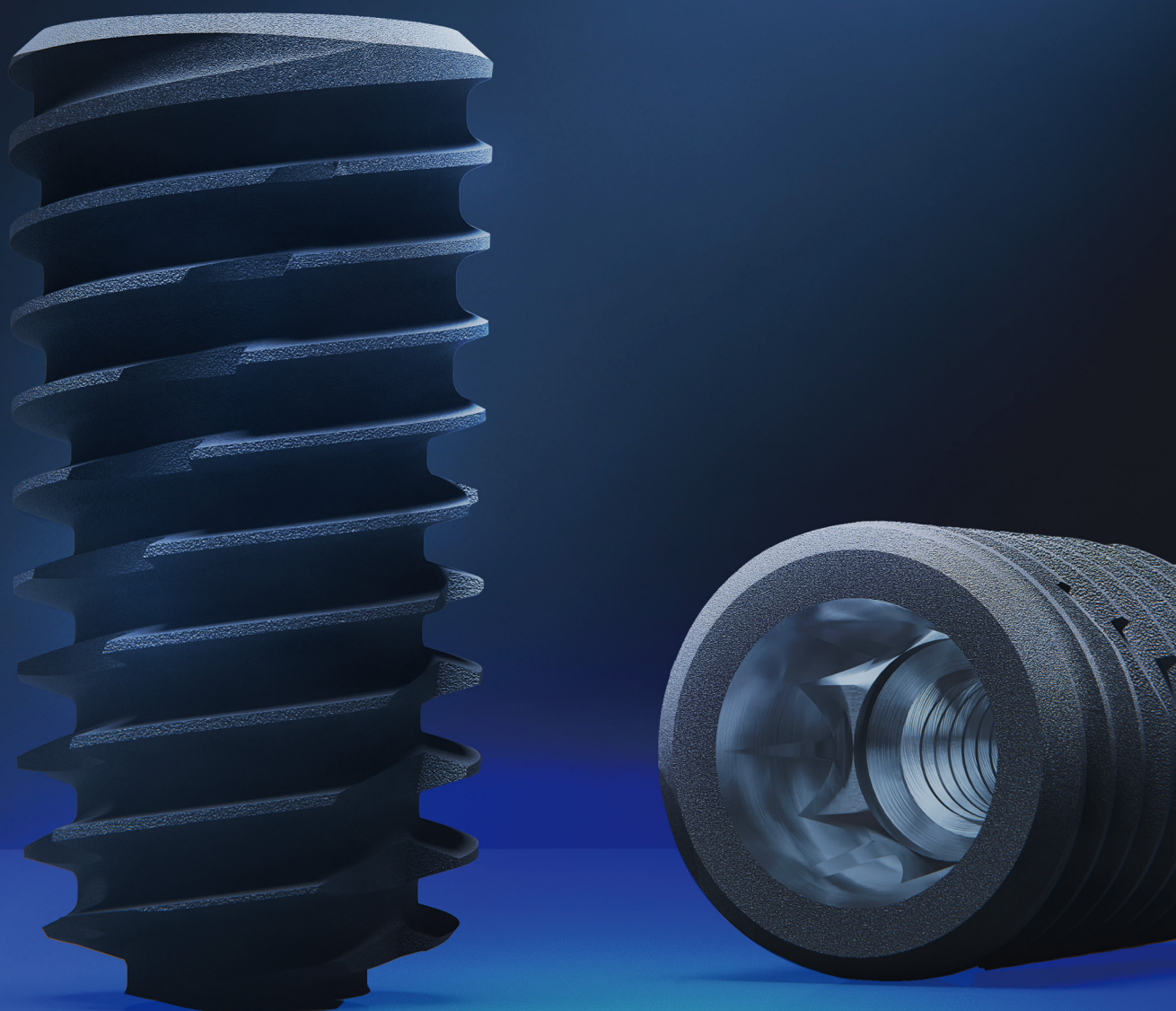


UNICON Implant

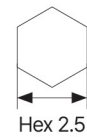
Pursuing the Completion of the 11° Implant System



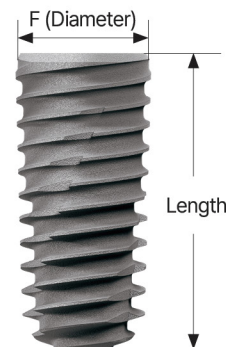
UNICON Implant System

[illegible]

UNICON Implant Fixture



- HSA / Packing Unit
 - Fixture | Order Code : UCR 0000SF (ex : UCR 4010SF)
 - Fixture + Cover Screw | Order code : UCR 0000S (ex : UCR 4010S)
- VUV / Packing Unit
 - Fixture | Order Code : UCR 0000UV3 (ex : UCR 4010UV3)



R

F3.5 (Ø3.8)

Hex 2.5

Unit mm					
Length	7	8.5	10	11.5	13
					
HSA	UCR 3507SF	UCR 3508SF	UCR 3510SF	UCR 3511SF	UCR 3513SF
VUV	UCR 3507UV3	UCR 3508UV3	UCR 3510UV3	UCR 3511UV3	UCR 3513UV3

R

F4.0 (Ø4.25)

Hex 2.5

Length	7	8.5	10	11.5	13
					
HSA	UCR 4007SF	UCR 4008SF	UCR 4010SF	UCR 4011SF	UCR 4013SF
VUV	UCR 4007UV3	UCR 4008UV3	UCR 4010UV3	UCR 4011UV3	UCR 4013UV3

R

F4.5 (Ø4.6)

Hex 2.5

Length	7	8.5	10	11.5	13
					
HSA	UCR 4507SF	UCR 4508SF	UCR 4510SF	UCR 4511SF	UCR 4513SF
VUV	UCR 4507UV3	UCR 4508UV3	UCR 4510UV3	UCR 4511UV3	UCR 4513UV3

R

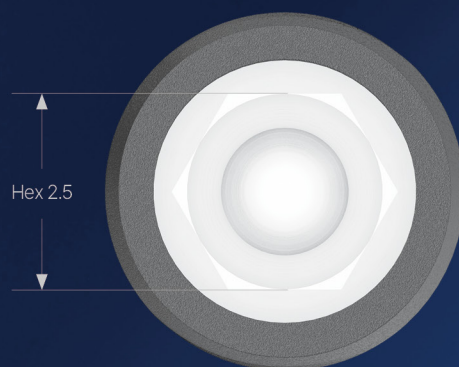
F5.0 (Ø5.05)

Hex 2.5

Length	7	8.5	10	11.5	13
					
HSA	UCR 5007SF	UCR 5008SF	UCR 5010SF	UCR 5011SF	UCR 5013SF
VUV	UCR 5007UV3	UCR 5008UV3	UCR 5010UV3	UCR 5011UV3	UCR 5013UV3

UNICON Fixture

At the culmination of our R&D journey for better clinical outcomes and solutions, we proudly present the UniCon Implant, the pinnacle of the 11° connection. UniCon Implant integrates a unified prosthetic lineup regardless of diameter or length with a single connection, delivers enhanced mechanical stability, and offers true clinical efficiency through an optimized surgical protocol.



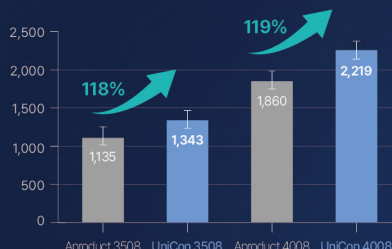
One Connection

- Streamlined prosthetic lineup
- Simplified inventory management
- Single driver for all procedures



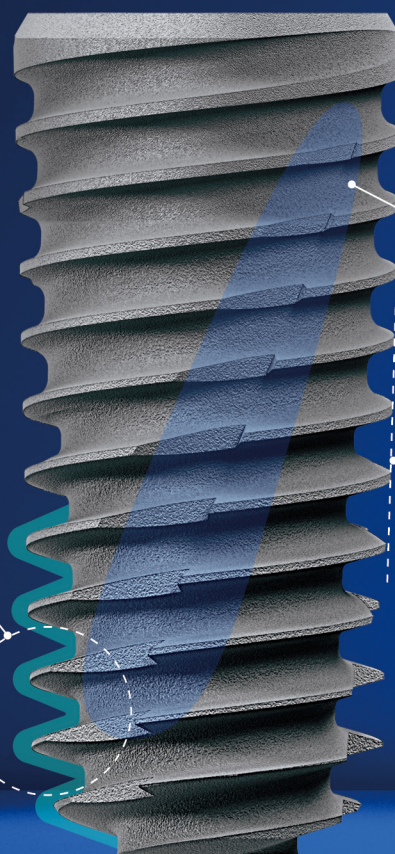
Superior Strength

- Higher fracture resistance compared to similar products
- Long-term stability expected



Apical Deep Thread

- Additional lower threads
- Enhanced initial stability
- Designed for immediate post-extraction placement



Full Helix Cutting Edge

- Improved self-tapping performance
- Reliable and stable insertion

1.5° Taper / Dual Thread

- Facilitates strong initial fixation
- Fast and stable placement
- Minimizes bone damage

Universal + Convenient = “**UNICON**”

A name that reflects universality, adaptable to all bone qualities and cases, while ensuring that the procedure is convenient and easy for anyone to master

UNICON Implant Surface

Hybrid type SLA Surface (HSA)

Optimal Surface Morphology

Implementation of **Micro Surface morphology** on the upper part to reduce peri-implantitis and **Macro Surface morphology** on the lower part to enhance the initial bone response

Alumina Blasting

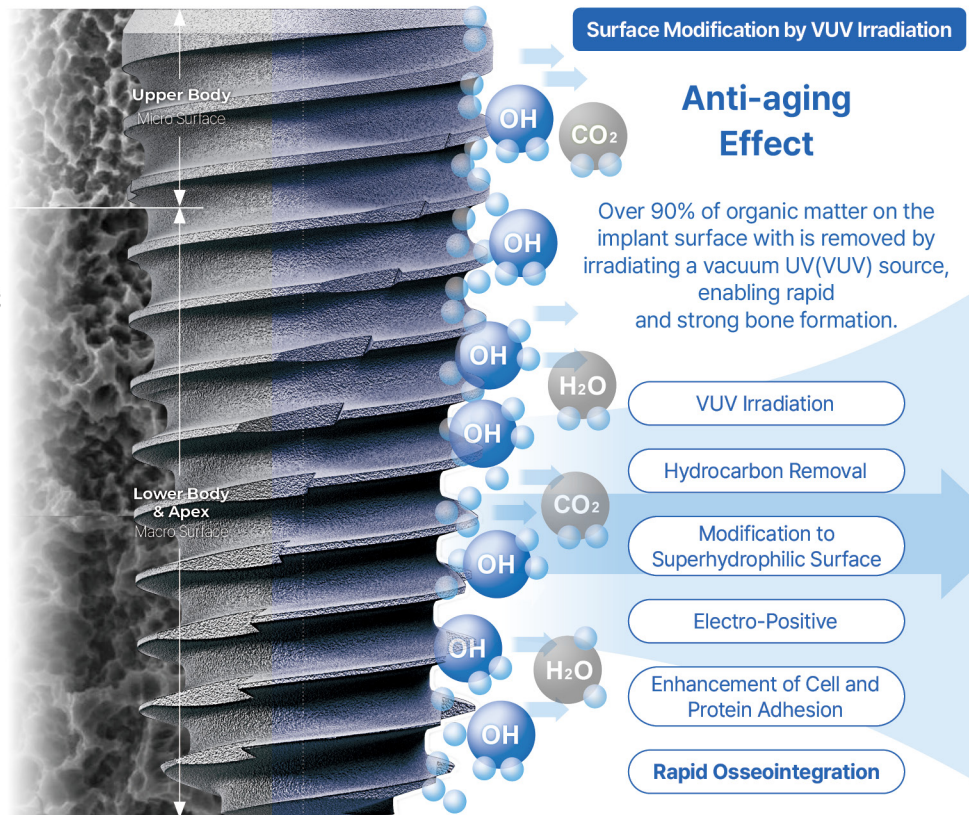
Double Acid Etching

High-Temperature and High-Pressure Water-jet

7-Step Vacuum Ultrasonic Cleaning

UV Drying

High Purity Clean Surface



Patented Surface, HSA

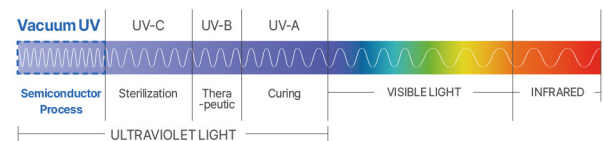
A distinctive level of surface roughness unique to DIO IMPLANT has been achieved through extensive research and experimentation based on sandblast large grit & acid etching (SLA).



*KOREA Patent No. 10-1652968

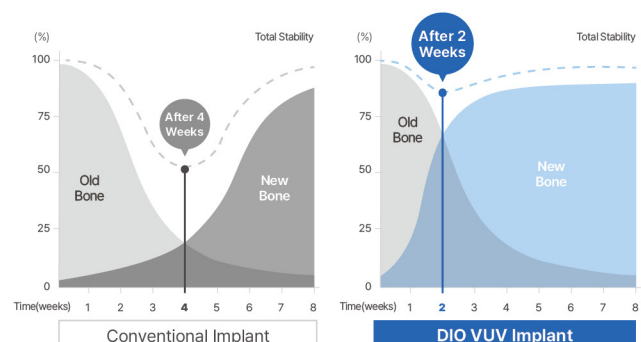
What Is VUV?

VUV is the highest-energy ultraviolet light used in semiconductor processes. DIO was the first to apply VUV to remove organic matter from the implant surface, and its effectiveness has been validated through joint research with UCLA, USA.



VUV, Healing Time in Half!

Fewer surface organics and higher blood absorbability ensure more stable bone-to-implant integration, shortening the treatment period.



*Source: Implant Dentistry, Volume 22, Nov 5, 2013, PhD Takahiro Ogawa et al.

Consistent Cuff Design

System-wide Natural S-Curve design & minimal bone interference and gingival pressure

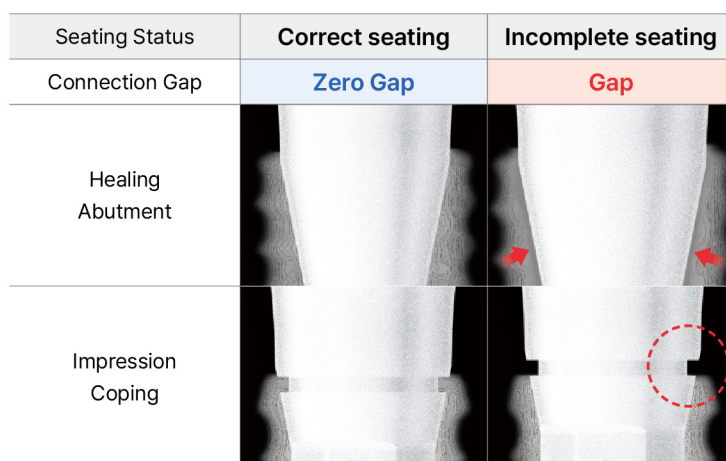
The Natural S-Curve design is applied throughout the entire system, from healing, impression taking, and prosthetic stages, to minimize bone interference and gingival pressure, contributing to the emergence profile of the prosthesis and the formation of healthy interdental papillae.



Intuitive Design

Intuitive Confirmation of Correct Connection

Thanks to its intuitive design with a distinct singularity point, complete or incomplete seating can be easily verified on X-rays.

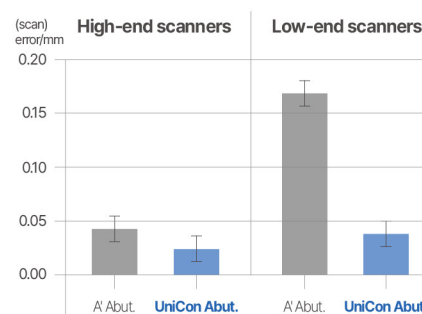
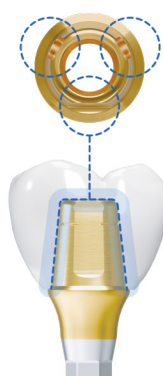


Detail Design

Optimized for Digital Prosthetics

Abutment geometry has been optimized to improve the accuracy of digital scanning and the fitness of zirconia prostheses.

Landmark Function During Scan Registration



Data Accuracy of Direct Abutment Scan by Scanner Type

UNICON **Kit 7** (UK 07) Kit

- Features the Smart Position System to pre-plan implant distance and prosthesis
- Taper design with excellent cutting efficiency and drill stop for easy depth control
- Flowline design follows left-to-right, procedural workflow

Torque Wrench

DTW 0080

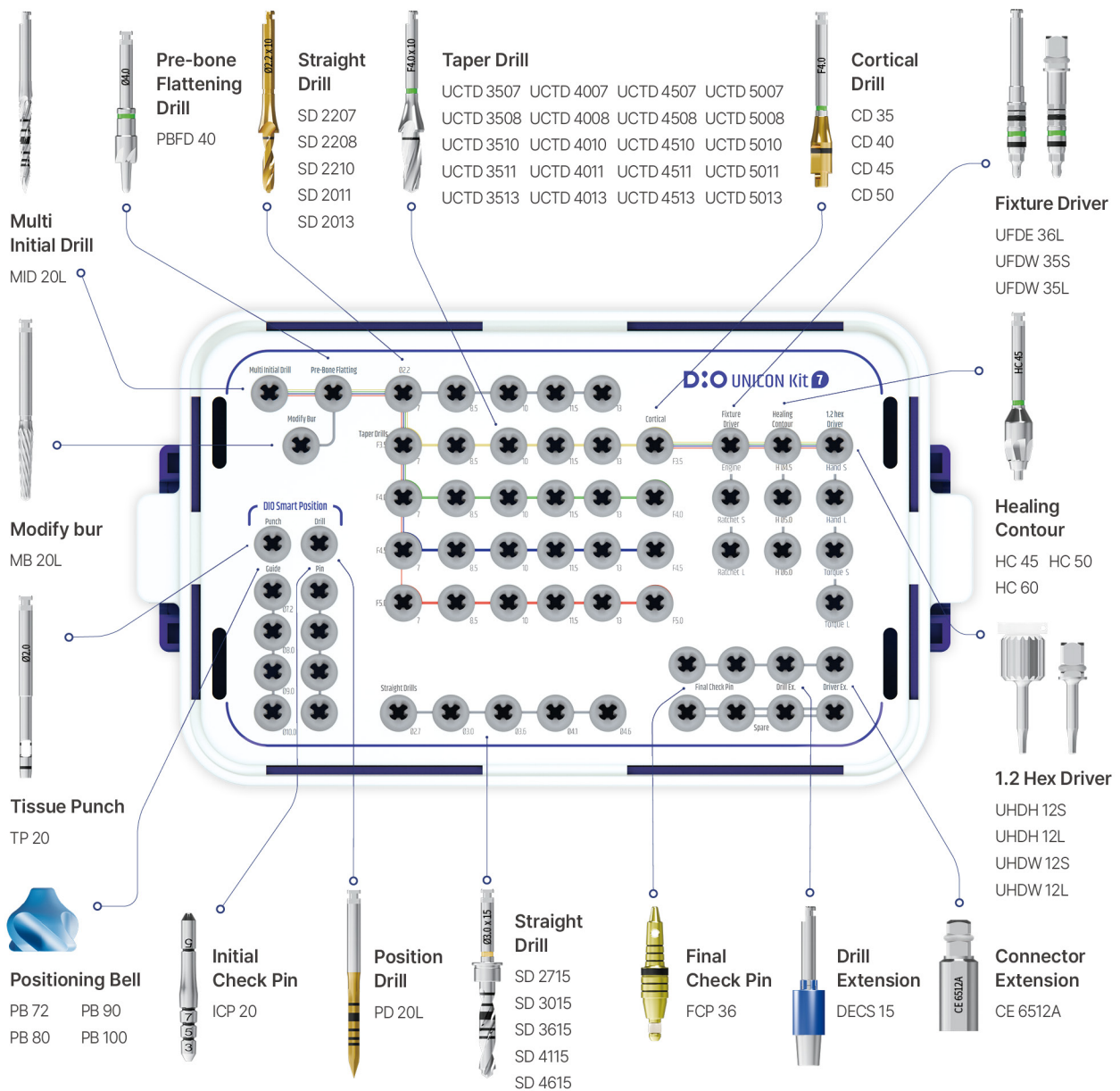


Double Depth Gauge

DDG 1506



*Bottom Panel Components



The oral care solution creator

D:O IMPLANT

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