

A close-up, high-contrast image of a dragon's face. The dragon's skin is dark and textured. Its eye is a vibrant, glowing blue, looking directly at the viewer. The lighting is dramatic, highlighting the texture of the scales and the intensity of the eye.

MEGAGEN BORN TO INNOVATE

*Competing with dragons
& fighting with beasts
to finally conquer*

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A beautiful DREAM

EUREKA! Just like the excited and satisfied exclamation by Archimedes at the moment he discovered the principle of buoyancy, MegaGen Implant has experienced many special EUREKA moments over the past 20 years on its journey to develop groundbreaking procedures and safe devices to help patients recover quickly.

With humble beginnings in 2002, MegaGen started with only seven of us, including me. However, we had a clear goal to make solid and safe implants suitable for Koreans who eat tougher and more fibrous foods compared to Western diets. We also wanted to achieve fast patient recovery to promote quality of life, daily health, and confident smiles.

It was a beautiful dream, but easier said than done! We had to overcome so many challenges and endure being crushed countless times in the ruthless business world. However, by staying true to our initial intentions and goals, we never lost hope and kept on course.

Finally, our determination, sincerity, and passion blossomed based on the promise of our original mission statement 'Mega + Genuine.' In 2021, MegaGen Implant ranked first in exports to Europe (9 years running) and the US (2 years running), achieved the CleanImplant Trusted Quality Award (6 years running), and was recognized by the Korean Government with a Next-generation World-class Product award.

When will MegaGen shout our final EUREKA?



The phrase “being a true Korean means being truly global” now clearly extends to the implant market. We created the best implants by turning the poor condition of Korean teeth into an opportunity. When compared with 20 years ago, MegaGen now enjoys significantly better recognition, more advanced technology, and an extensive range of products. However, MegaGen will continue to grow ‘silent, slow, and right’ with our compass always pointing towards the patient. MegaGen is still hungry to transform the field of dentistry and the whole patient experience.

When will MegaGen shout our final EUREKA? Only when people around the world can enjoy life through MegaGen implants, cherishing small moments, such as having a good meal with healthy teeth, spreading into a smile.

MegaGen will become a bold and audacious global company that investigates and develops innovative products to contribute to healthy lives for all humankind. We will never forget our MegaGen mission, paving the way for a 100-year-old company, in the right way, worthy of the name MegaGen.

Please keep watching MegaGen’s passion, MegaGen’s devotion towards what is right, and MegaGen’s power.

A new foundation for 100 years of MegaGen

Now MegaGen Implant has become a 21-year-old adolescent, we're sure there will still be many obstacles in our path. However, we have bigger dreams and are investing ourselves even more to make MegaGen Implant's strong foundation grow into a company that will outlast a century.



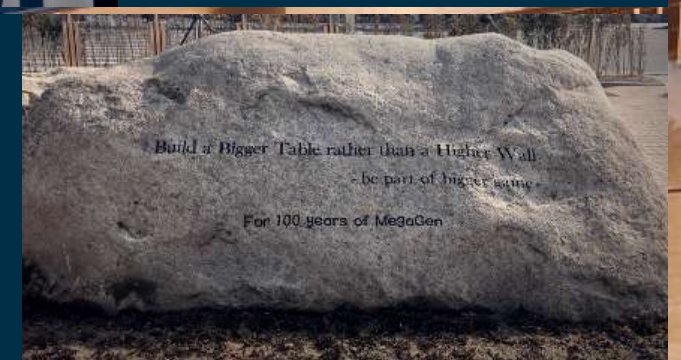
In January 2018, MegaGen entered its new state-of-the-art, purpose-built facility in our home town of Daegu. The inauguration ceremony was on January 5th and was attended by friends & business partners from over 100 countries. It marked the beginning of a new era for MegaGen.

The production site complex is the largest implant manufacturing facility in Asia and incorporates all the latest high tech to develop and produce medical devices, ranging from dental implants, bone grafts, surgical instruments, and unit chairs to patient-customized medical devices using CAD/CAM design and 3D printing.



The site also incorporates well-organized classrooms and auditoriums for education. So every year, we organize seminars and educational events for more than 1,000 dentists from around the world to enjoy our special hospitality. And we look forward to welcoming many more over the coming years.

MegaGen's philosophy of sharing knowledge and prosperity with all is acknowledged on the memorial stone located in front of the factory: "Build a bigger table rather than a higher wall, Be part of a bigger game."



You just dream, WE DO IT!

Your dreams, our goals

MegaGen's goals are to support your dreams in daily dental practice and realize them with innovative products every year. From dental implants, surgical instruments, equipment and unit chairs to digital programs and AI, while these items may not all be profitable, we are committed to constant innovation for customer convenience and happiness.

A Implant Design innovation



B Surface Treatment innovation



D Unit chair & equipment innovation



C Digital innovation



What is the best design for a dental implant?

This peculiar yet great challenge has begun to change the standard of implant dentistry

The introduction of the AnyRidge implant system in 2009 was a game-changer with a lasting legacy.

Incorporating unique biologically-inspired concepts, AnyRidge offers a new paradigm for better prognosis and more successful clinical results.

With a focus on understanding and respecting the tissue biology at the implant site, AnyRidge implants were designed to be effective in any type of ridge, hence the name.

ANYRIDGE®
by MEGA'GEN



World-class

AnyRidge

premium choice among
clinicians worldwide

Double offset for the best soft tissue

Double offset design provides best & most esthetic soft
tissue response!



Maximum preservation of cortical bone

No dependence on cortical bone for initial stability
decreases stress on cortical bone & helps to prevent
bone resorption after implantation.

Advanced cortical design allows maximum cortical
bone preservation around implants.

**More cortical bone,
more soft tissue volume,
beautiful & healthy gingival line.**

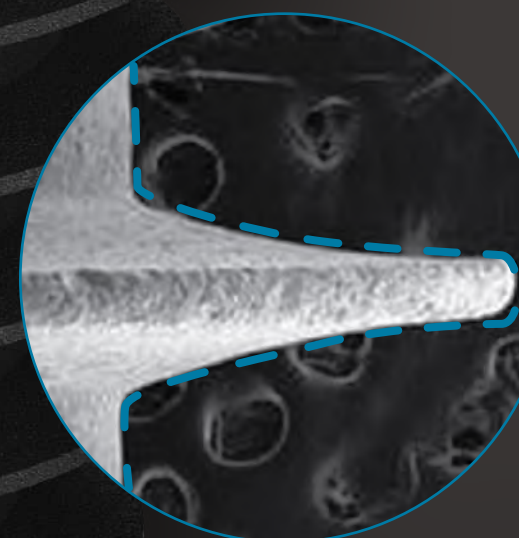
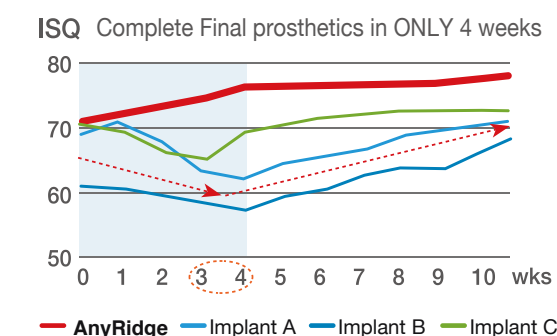
Core & Thread Technique

Different thread depths with same core diameter
provide excellent stability, even in loose(D4) bone.

Knife thread®

Guarantees sustained
implant stability

- Stable stress dispersion due to buttress thread shape
- Easier insertion due to sharp thread shape
- Increased surface area due to round-faced design



- Excellent initial stability
- Extraordinary BIC
- Special cutting efficiency during insertion
- High resistance to compressive force
- Minimized occurrence of shear force
- Maximized surface area
- Large inter-thread area supports angiogenesis
& sustains blood supply



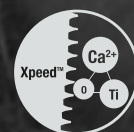
More precise positioning
& connection



Immediate high
& sustained ISQ values.



Nothing can beat it!



Xpeed surface
treatment.

“ Nothing can last forever! ”
Stronger than the strongest
Faster loading
Advanced design and surface

BLUEDIAMOND IMPLANT

A bone destroyer or bone-friendly implant?

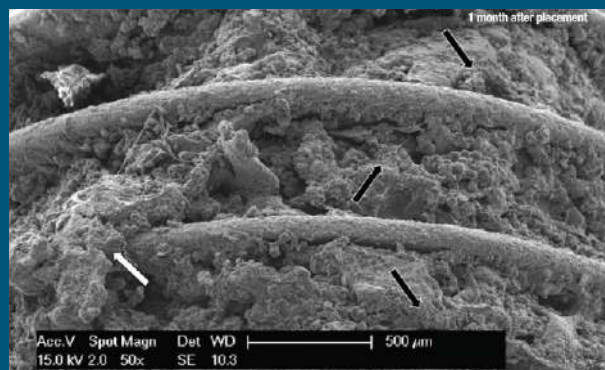
The new BLUEDIAMOND IMPLANT® allows all clinicians to offer their patients the advantages of AnyRidge®. With a slightly different implant body shape and connection, yet incorporating most key features of AnyRidge®, the BLUEDIAMOND IMPLANT® offers a simple solution for clinicians wishing to offer the best to their patients without making big changes to their current surgical protocols.



MegaGen's surface treatment is Xpeed. Pure grade 4 titanium implants are treated with S-L-A, followed by a special process that incorporates calcium ions to create a CaTiO₃ nanostructure that activates osteoblasts.

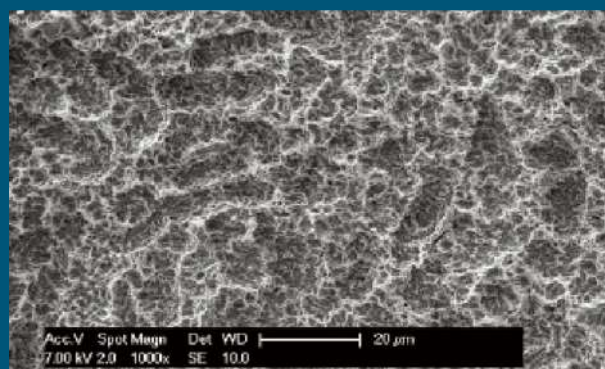


Over 13 years of clinical evidence proving excellent, rapid & long-lasting osseointegration.



Histological studies in animals & humans consistently show rapid bone cell proliferation & long-term stability thanks to Xpeed's unique properties.

Blue surface guarantees safety



100% acid-residue-free surface

Xpeed® process neutralizes any potential acid residue on S-L-A surface and is visible indication of cleanliness.

Homogenous roughness value of Ra 1.8 ~ 2.5 µm over whole fixture guarantees more uniform bone growth.

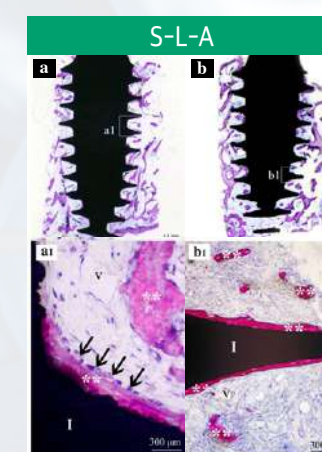
Double-control histological human study

Nanostructured calcium-titanate-coated implant surfaces (Xpeed®) showed higher BIC values at 4- & 6- week intervals

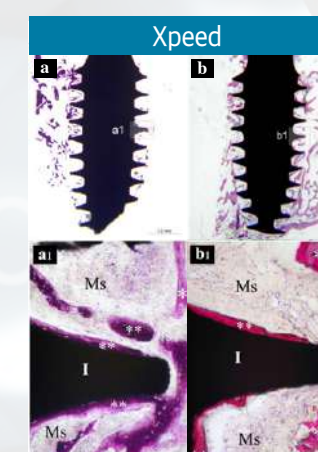


Central sections of two implants from S-L-A & Xpeed groups after 6 weeks of healing

In (a,b), original magnifications (×12), the implant bodies (I), In (a1, b1), original magnifications (×200), the implant threads (I)



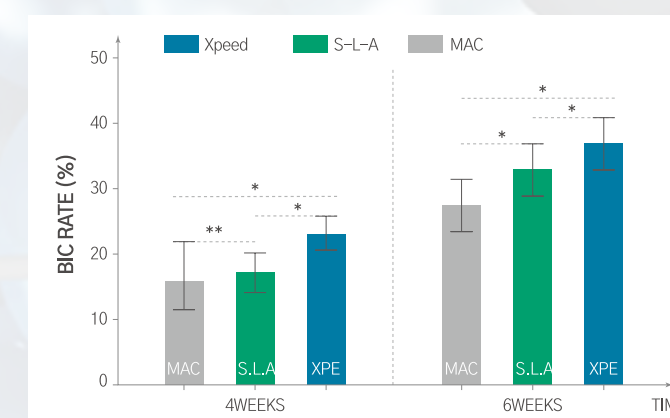
In (a,b), original magnifications (×12), the implant bodies appear to be in a more advanced phase of osseointegration. **, newly formed bone; V, vessel; black arrow, osteoblastic cells.



In (a1, b1), original magnifications (×200) the implant threads appear to be in contact with a layer of newly formed bone (**); Ms, marrow space; *, native bone. In (b1), the implant thread appear to be almost completely surrounded by a thin layer of newly formed bone (**) with islands of native bone (*).

Graph showing BIC rate weighted for time

*statistically significant ($p < 0.05$); ** not statistically significant ($p > 0.05$).



After 6 weeks, comparisons showed that the time factor and surface type were always significant, particularly for the Xpeed® surfaces which yielded 4-week BIC levels comparable to those of the MAC surface at 6 weeks. The Xpeed® surfaces showed accelerated osseointegration by reaching high BIC levels within the first 4 weeks. When compared to the MAC implants, both the Xpeed® and S-L-A surfaces seemed to achieve higher BIC at 4 and 6 weeks. However, Xpeed® surface also had a significantly higher rate of bone apposition compared to S-L-A at both intervals at both 4 weeks (Xpeed®: 22.4%-S-L-A: 18.5%) and 6 weeks (Xpeed®: 38.6%-S-L-A: 33.7%).

Article:

Nanostructured Calcium-Incorporated Surface Compared to Machined and SLA Dental Implants –A Split-Mouth Randomized Case/Double-Control Histological Human Study.

Christian Makary 1,* , Abdallah Menhall 1 , Pierre Lahoud 1 , Hyun-Wook An 2 , Kwang-Bum Park 3 and Tonino Traini 4,5,*

BE CONFIDENT

you are using a CLEAN IMPLANT!

“Clean Implant Foundation”

ANYRIDGE

by MEGA¹GEN



A CUT ABOVE THE REST

BLUEDIAMOND IMPLANT

[2022-2023 CLEAN IMPLANT AWARD]

A New Addition to the AnyRidge®,
BlueDiamond also has been awarded
"Trusted Quality" from Clean Implant Foundation.
BE CONFIDENT, you are using a CLEAN IMPLANT!



Opening a new era for
Surface Activation

Plasma[®]X[®] motion



3[↑]x
Protein
adsorption rate
3x increase

6[↑]x
Osteoblast
proliferation
6x increase

2[↑]x
ISQ Value
(4 weeks)
2x increase

2[↑]x
Bonding
strength
2x increase

Surface Treatment Innovation

XpeedActive (Plasma+Xpeed)
No explanation needed, just look...

	Nucleus	Actin	Merged
S-L-A			
Xpeed			
XpeedActive (Plasma+Xpeed)			

* XpeedActive: Implant surface reactivated by plasma treatment on Xpeed surface

*Enhanced Osteoblast Adhesion and Proliferation on Vacuum Plasma-Treated Implant Surface. /Jeon, H.J.; Jung, A.; Kim, H.J.; Seo, J.S.; Kim/Apl. Sci. 2022, 12, 9884.



IMPLANT

Plasma activation available for various implant systems

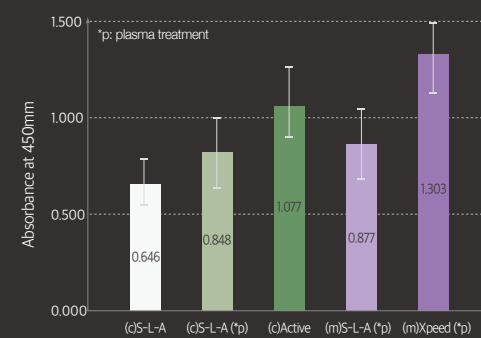
Prosthesis

50% increase in cementation force due to purchase activation of Zirconia prosthesis.

Crown & abutment both available

Technologies developed to shorten healing time & enhance stability

Quantitative evaluation of cell adhesion after plasma treatment of implants with various surface properties

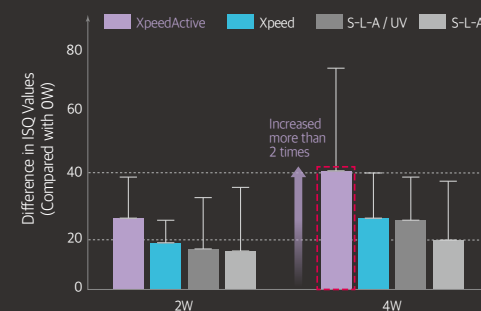


Conditions	Average (n=3)	Rate of increase
(c)S-L-A	0.646	0%
(c)S-L-A (*P)	0.848	31.3%
(c)Active S-L-A	1.077	66.7%
(m)S-L-A (*P)	0.877	35.8%
(m)Xpeed (*P)	1.303	101.7%

Table 2. Quantitative evaluation of cell adhesion after plasma treatment of implants with various surface properties

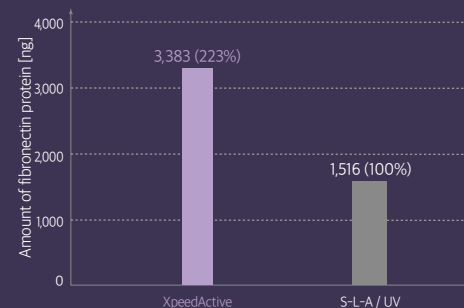
*Effect of Surface Properties on CellAdhesion following Vacuum Plasma Treatment/ Author YJ Chae, SM Lee, SJ Park, HW An J Future dentistry, 2022:Vol. 2:No. 4:18-22

After 4 weeks, the largest increase in ISQ value was observed in the XpeedActive group

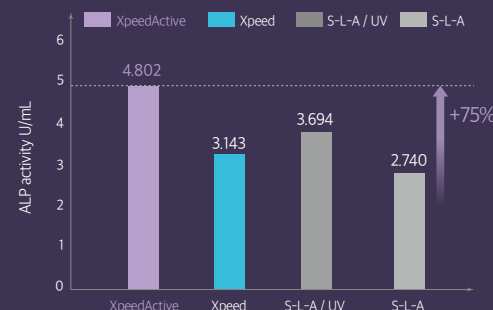


*Evaluating the effectiveness of plasma-treated implants using a rabbit model/ Daegu-Gyeongbuk Medical Innovation Foundation (2022)

Increased protein adsorption rate

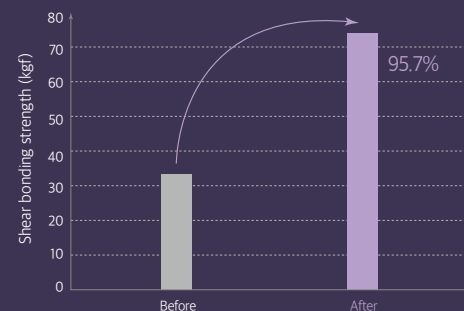


Osteoblast proliferation activity rate

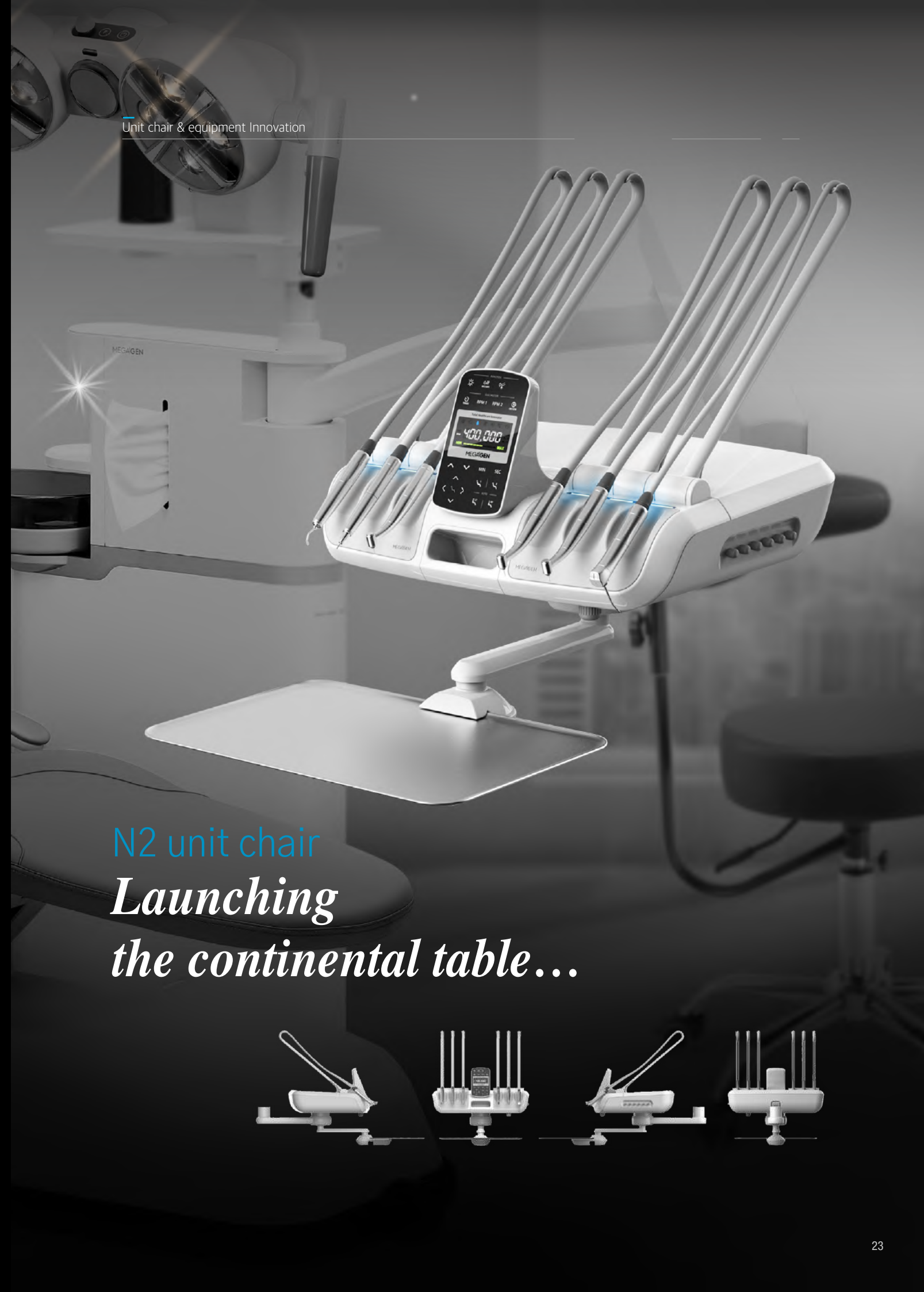


*Enhanced osteoblast adhesion and proliferation on vacuum plasma-treated implant surface/ Sejong University (2022)

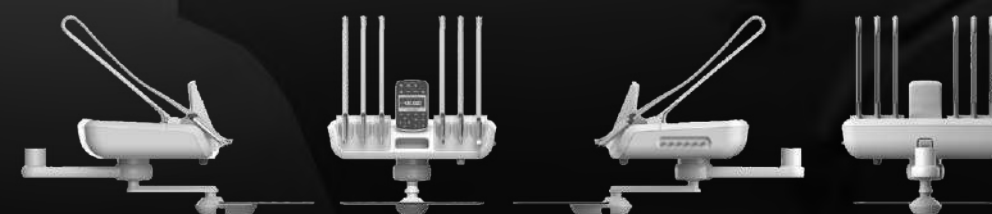
Super hydrophilic effect increases the surface bonding strength of resin cement by 100%



* Effect of Vacuum Plasma Treatment on Surface Bonding Strength of resin Cement / Author YJ Chae, SM Lee, SJ Park, HW An J Future dentistry, 2022, Vol. 2: No. 2: 14-18



N2 unit chair
*Launching
the continental table...*

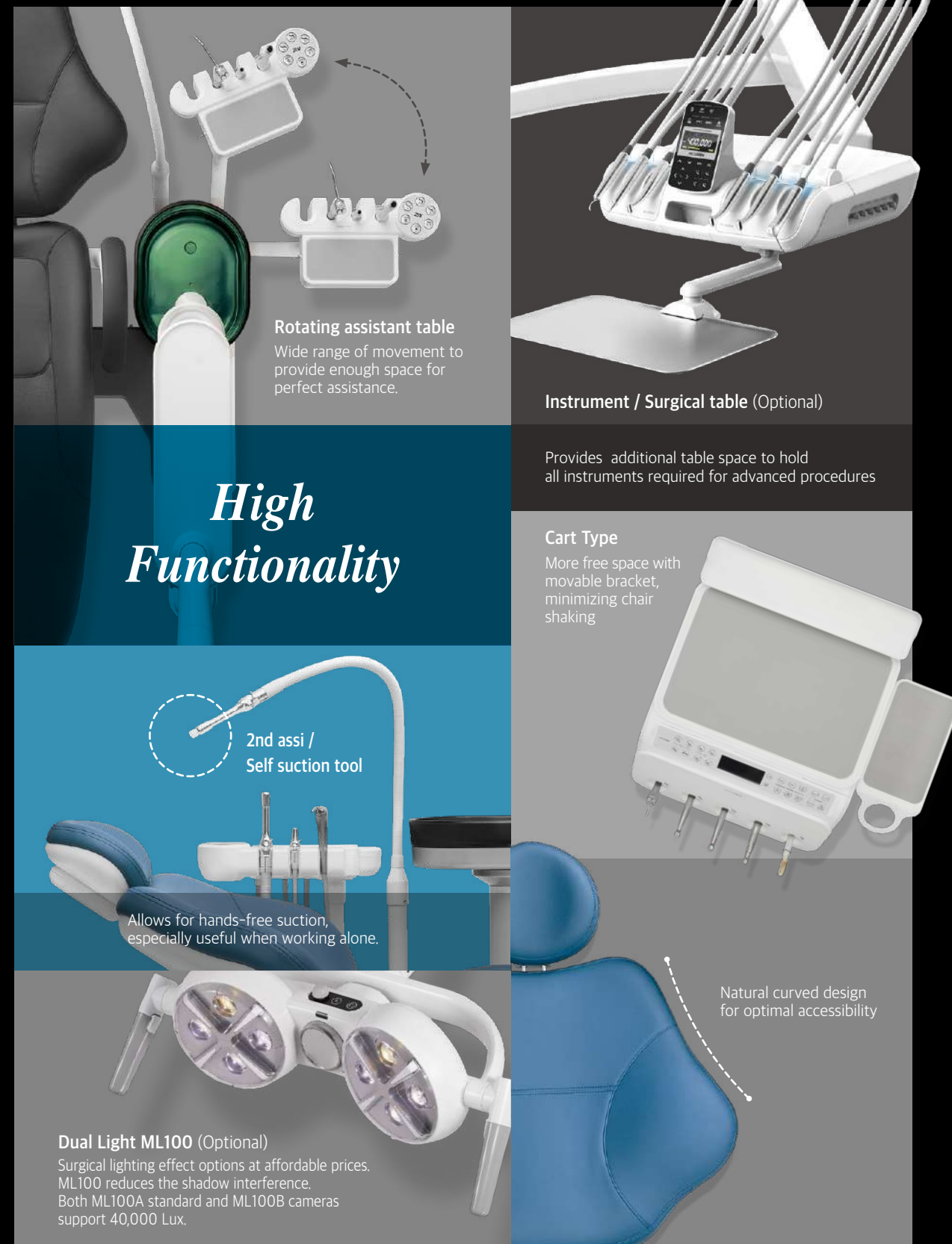




Why not both?

N2
The First Class





Rotating assistant table
Wide range of movement to provide enough space for perfect assistance.

Instrument / Surgical table (Optional)
Provides additional table space to hold all instruments required for advanced procedures

Cart Type
More free space with movable bracket, minimizing chair shaking

2nd assi / Self suction tool
Allows for hands-free suction, especially useful when working alone.

Dual Light ML100 (Optional)
Surgical lighting effect options at affordable prices. ML100 reduces the shadow interference. Both ML100A standard and ML100B cameras support 40,000 Lux.

Natural curved design for optimal accessibility

High Functionality

Making it easier & safer

MegaGen helps to create a comfortable & safe environment for dental clinics

MegGyver Kit / The perfect solution kit for emergency Easy and Fast! Just turn it and done!

Magic Grip -Accurate Engage Cutting Technology with Self-Tapping Function
It is composed of Implant Tapping Remover, Screw Remover, and Abutment Remover.

MegGyver Kit



MG-CLEANER* / All in One Cleaning System! 3 FUNCTIONS for cleaning/sterilizing reused temporary prosthetics!
High-Performance Ultrasonic Cleaning/Barrel(Metal Pins) Foreign Substance Removal / Low-temperature Plasma Sterilization/Easy and hygienic management with separate containers/Work Efficiency and Time Savings.

MG-CLEANER



MEGA ISQ II / Essential choice for your satisfaction implant loading

The Original Technology from Osstell/Sophisticated design/ Excellent portability (Pocket Size)/Convenient usability (Wireless)/Strong durability
The color light change according to the ISQ value
The display shows values measured in BL (Buccal-Lingual) and MD (Mesial-Distal) directions. Record and compare measurements from BL and MD.
Perfect Matching With AnyRidge & BlueDiamond

MEGA ISQ II



STERLINK / only 7 minutes, low-temperature plasma sterilizer!

Inactivates microorganisms on metal & non-metal medical devices and surgical instruments at low temperatures.
World's first direct injection pouch-method patented sterilization technology is applied, and SAL of 10-6 is pre-verified, ensuring the sterilization stability of medical devices.

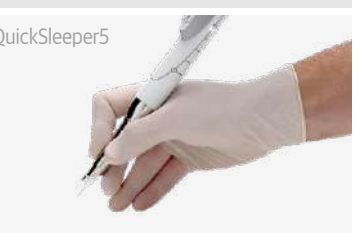
STERLINK



QuickSleeper5 / osteocentral anesthesia injection system (painless)

Complete immediate & profound anesthesia with just a single use (2 to 6 teeth anesthetized with only one injection).
Pen grip & wireless foot pedal control for maximal concentration and high precision anesthesia.

QuickSleeper5



Meg-Engine III Pro / smart dental implant motor system

The high-precision electronic system means the torque selected on the console corresponds exactly to the torque obtained at the instrument output.
Complete procedures in no time using the function to pre-set surgical protocols.

Meg-Engine III Pro



Hey, machines are just machines!

Digital dentistry & digital solutions

This is not just about CAD(Computer Aided Design)/CAM (Computer Aided Manufacturing) and purchasing new machines, but also requires a plan for how to adapt your daily dental practice.

What is most needed in your practice?

What kinds of problem do you want to solve using digital technology?

These two questions should always be considered before investing, and then lead the search for the appropriate digital equipment and programs.

Digital solutions should be the answers to your needs rather than just a brand of digital equipment.

4 products required with IOS!

A

What is the most frightening moment for clinicians during dental implant treatment?

What kind of scan abutment should I use for an intra oral scan... 9mm or 13mm?

The best answer is to use an SHA (Scan Healing Abutment). When taking a scan to make a temporary crown or the final prosthesis, in most cases, it will be at the end of the implant osseointegration period. However, if a patient has weak bone or received GBR, it can be a frightening moment to unscrew the healing abutment and put in a standard scan abutment.

SHAs have a scannable head design, allowing easy intraoral scanning as long as the head part is exposed 1mm above the gingiva.

Thus, SHAs can facilitate prosthetic procedures, from the healing stage to a customized abutment, without touching the placed implant, thereby promoting healthy gingiva formation.



B

PMMA abutment

The PMMA block is mechanically pre-connected with the titanium base.

Available with various cuff heights, diameters, and shades for varying gingiva heights and tooth shapes. Use a BX5 to mill the tooth part and complete a screw-retained temporary crown without extra lab work.

C

Cuff TiGen

Small changes can make a big difference!

Cuff TiGen has the same cuff design as the scan healing abutment, which eliminates any milling of the cuff part, reduces the manufacturing time, and extends the tool life. Plus, this same cuff design, from PMMA abutment to customized titanium abutment, allows easier abutment delivery without pressure on the gingiva.

D

R2iCE-FS

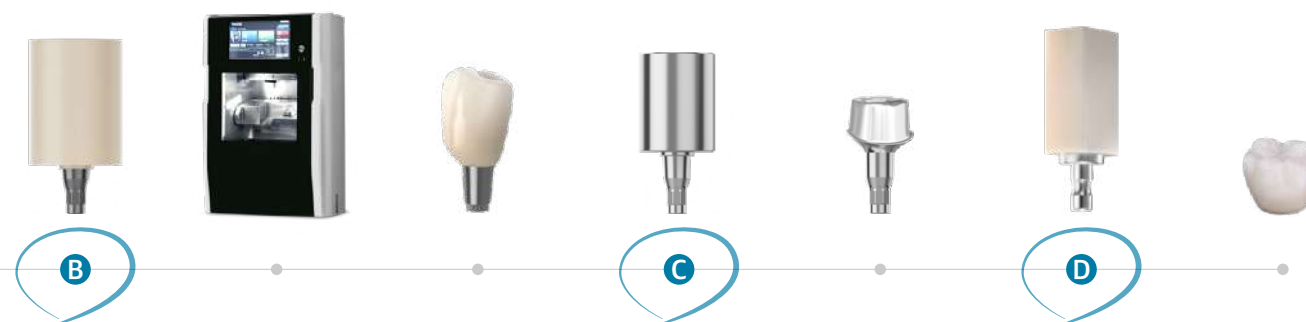
R2iCE-FS is Final sintered multi-layer zirconia block. It provides the most natural-looking zirconia with a flexural strength of 500MPa by pre-formed 3-Layered color structures.

And It needs no firing process, so you can save your valuable time and concentrate on your patients. Also it enables One-Visit prosthesis

- R2iCE-FS can be milled thinner than other glass ceramics, so it needs 33% less tooth preparation having wide indications.

- Experience the cost effective and long lasting solution. R2iCE-FS's reliable strength provides less risk of fracture during fabrication or use.

We ensure both customer's and clinic's satisfaction by providing the best products, while constantly challenging ourselves through continuous innovation.



20
mins

for customized titanium
abutment with Cuff TiGEN

OFF **30%**

10
mins

Screw-retained
PMMA temporary crown

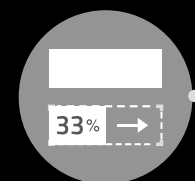
10mins ON

BX5

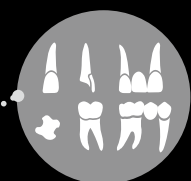
Chair-side milling device for
temporary/final C&Bs &
customized abutments

50
mins

for final Zirconia crown with
R2ICE-FS



Less preparation



Wide Indications



Long Lifetime

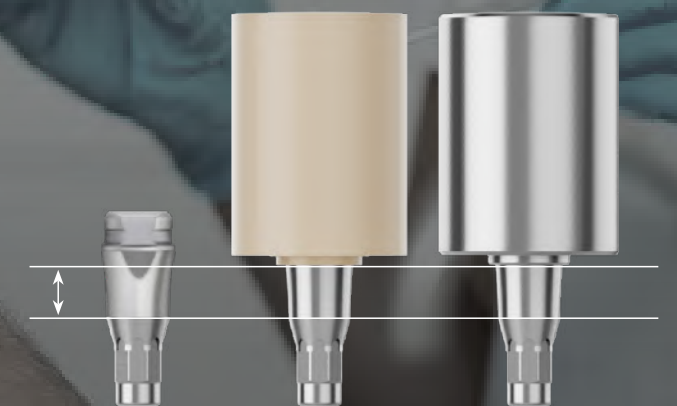


Cost effective



*No gingiva pressure,
less pain*

Same cuff design from
S.H.A(Scan Healing Abutment),
PMMA Abutment to
Cuff TiGEN.





Would you ask your patient to stay all day for treatment planning?

Diagnosis and treatment planning use all kinds of patient data, which is then interpreted based on clinical experience and intuition to finalize a diagnosis and create an ideal treatment plan. But dental treatment involves team work, and communicating clinical insights can be difficult without the real patient. So, what if we could recreate our patient digitally?

Bye... see you in R2 Studio Q

- CBCT
- Impression scan
- Face scan



01 CBCT reorientation

Align patient's head position to FH plane or natural head position to define mid-facial plane. Essential step for diagnosis & precise treatment planning.



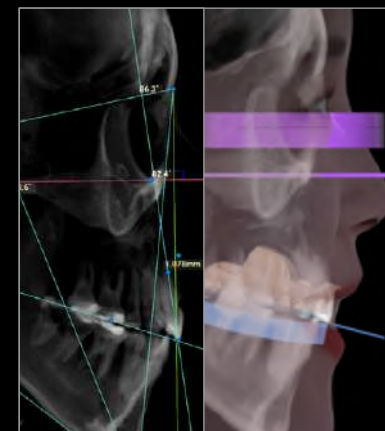
02 Impression scan & matching

Scan patient's impression, export STL file, & superimpose on reoriented CBCT.



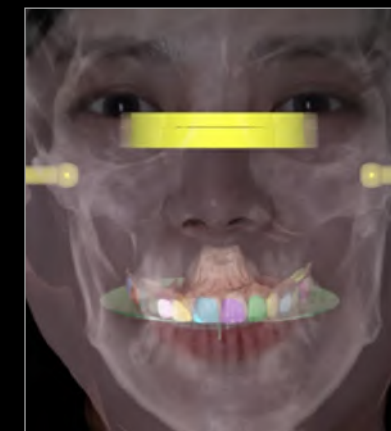
03 Face scan, digital Patient

Scan patient's smiling face & import it. Ai will analyze face scan file & superimposes it on CBCT.



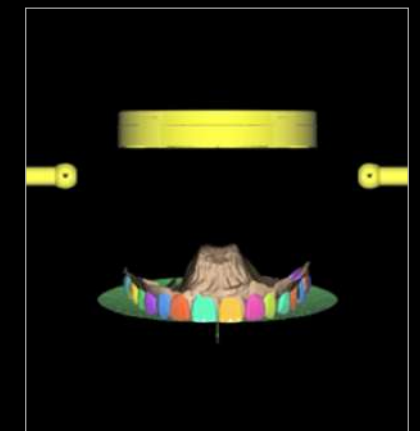
04 Facial pattern analysis

Facial pattern analysis using 3D cephalomatrix of hard & soft tissue. User can then easily interpret patient's jaw relationship & any facial problems.



05 Digital Oral Design

Digital Oral Design for optimal treatment planning & explanation to patient. Digital face bow & occlusal plane library allow clinician to arrange ideal teeth positions & reevaluate esthetics.



06 Data export for teamwork.

After deciding on treatment plan, clinician can export all digital data as STL files for final lab work, including implant planning, guide design & prosthetics.

FACEGIDE™

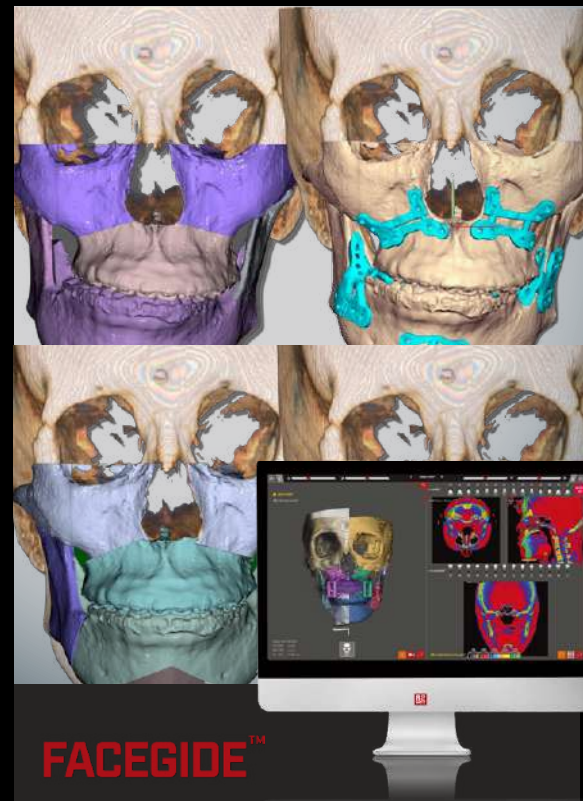
Digital maxillofacial solution

FACEGIDE provides an accurate bone & tissue analysis, allowing precision planning for safe, predictable, & high-quality orthognathic surgery

Virtual osteotomy & 3D jaw setup

The resulting skull data can be freely osteotomized according to the technique preferred by the oral surgeon. The osteotomy position, range, and extent can all be adjusted depending on the patient characteristics. During upper & mandibular osteotomies, an osteotomy line can be formed considering the main anatomical structure of concern.

Combining the osteotomy segments verifies the anatomical changes that will occur during bone removal and bone movement, enabling a feasible and precise surgical plan.



Customized SAW-GUIDE & FACE-PLATES

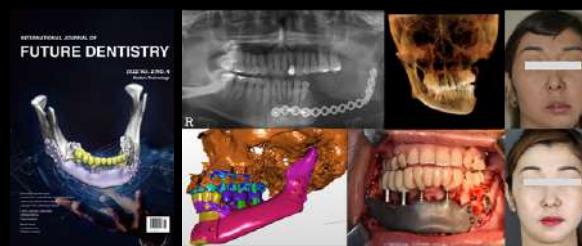


The SAW-GUIDE design can be adapted for various osteotomy methods, and also designed to protect key anatomical areas. An intuitive check of the planned incisions and deletion amounts enables precise bone fractures and deletions.

The FACE-PLATES are created using the patient's CBCT data, and can be fixed to the bone surface with minimum deformation (banding or cutting). As the FACE-PLATES use the same fixation holes as the SAW-GUIDE, no additional drilling is required. Matching the pre-formed fixation holes with the FACE-PLATES also provides an additional indication of accuracy, allowing correction for more precise outcomes.

Customized craniofacial prosthetics

Craniofacial reconstruction surgery is a procedure that restores craniofacial defects caused by external factors, such as accidents, and internal factors, such as cancer, tumors, or deformities. FACEGIDE is opening a new era in maxillofacial reconstruction based on bone restoration design using 3D analysis and CT data, in contrast to simulation using conventional models and producing customized implants for patients. Many clinicians are already publishing articles on their clinical results when using FACEGIDE customized implants.



FACEGIDE™

Set-up module

Accurately simulates everything necessary for surgery, such as setting reference points and creating osteotomy lines. Easy operation and convenient interface configuration show all the information needed for surgery at a glance.



FACEGIDE Lite.

Allows the surgical results of a 3D design to be checked for accuracy and intuitively corrected.

Easy revision and transfer of the surgical plan from your PC or iPad!



Contact : r2.face1@imegagen.com

Leave your contact information at our stand or contact us via email for a free software trial. We will send you a link for a free download and manual.

R2 PLAYGROUND

☐ SAVE AUTHENTICATION

LOGIN

JOIN

10 years for Eureka R2 + 10 years for dental intelligence platform

To connect all dental clinicians and staff via a digital platform that shares knowledge, experience, and technology.

To provide a forum where everyone can share their experience, develop their dental knowledge, and educate the next generations.

To promote the personal knowledge and experience of current dental gurus as valuable assets for all dental clinicians.

MegaGen Implant, advancing the dental world through digital technology.

16th MEGA GEN International Symposium

in NEW YORK

April 20 ~ 22, 2023 / New York Marriott Marquis

Dentistry wears Digital;
Discover the New Success Criteria



Register Now!



Challenge Now!
www.globalmegamind.com

Inquiry minec.megamind@gmail.com

A global-reaching event to search for
the future leaders of implant education

Unlock Your Potential

MEGA MIND

Test Your Mind

National League

Organized by dealers during April 2023

Winning presentations
(2 per country)

\$1,000

Other participants : US\$300

Continental League

Organized by MINEC HQ during June 2023

Winners (5 per continent)
will be invited to MEASM,
Turkey as guest speakers, flights &
accommodation (3 nights) included.

Global League

Pre-MEASM, Turkey in October 2023

6 winners will present on
main podium at MEASM

\$4,000

MegaGen

8th MEASM & 1st CISSM in Turkey
(Middle-East/ Africa & CIS Scientific Meeting)

October 12~14, 2023 / Turkey Antalya,
Nirvana Cosmopolitan Hotel

IDS 2023

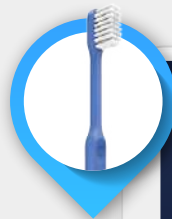
MEGAGEN

Booth Event

EVENT 1

MegaGen SNS Follow Event

Follow MegaGen's official SNS &
get the gift at MegaGen booth #K070!



MegaGen Official SNS



facebook



Instagram



YouTube



EVENT 2

TRY YOUR FIRST MEGAGEN IMPLANTS

Get a golden chance
to try an implant for free, IDS 2023!



Register Now!



EVENT 3

@IDS 2023

MEGAGEN Party

15~17 March, 4:30PM~ # **Hall 4.2 K070**

www.imegagen.com

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