

**G•D•IFF**  
GENUINE DIFFERENCE



Feel **Genuine**  
**difference** in implant  
dentistry |

# ACH Medical **What We Do**



**DENTAL IMPLANTS  
SYSTEM**



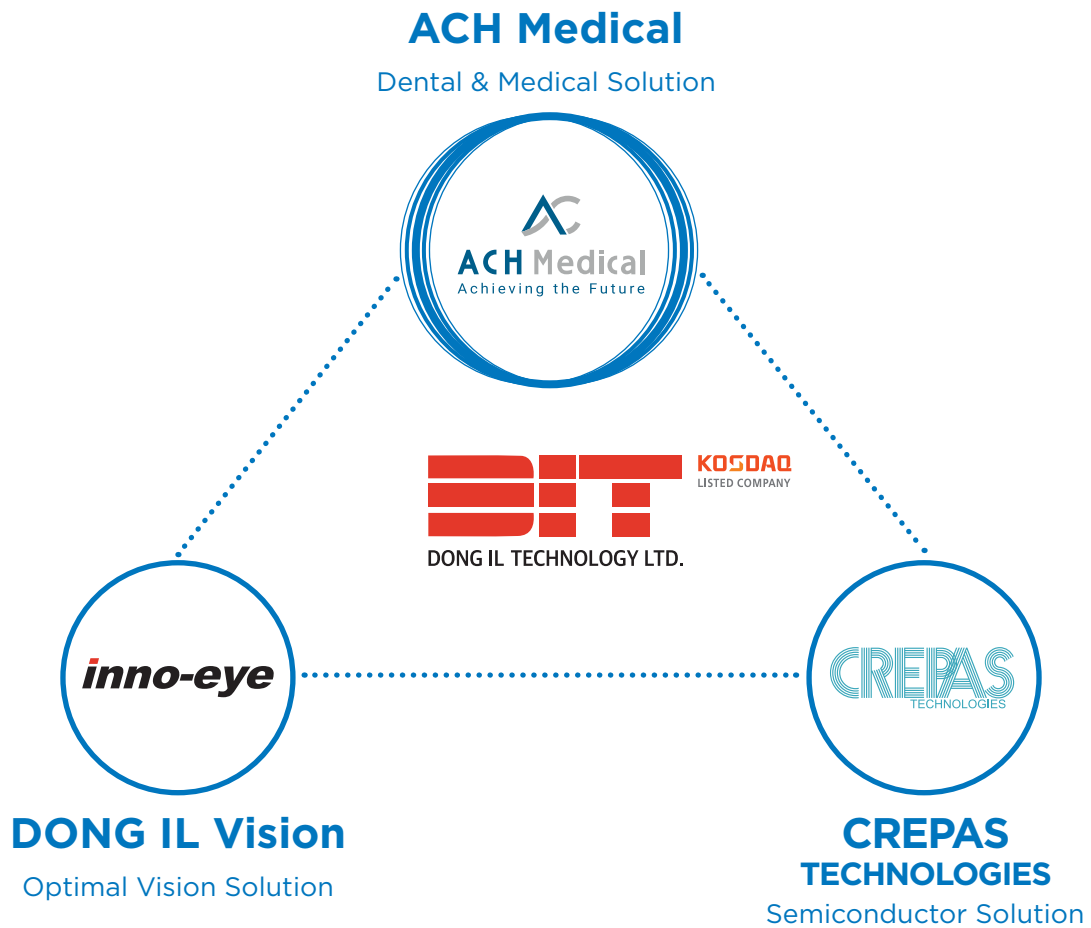
**MEDICAL INSTRUMENT  
SYSTEM**

**ACH Medical Co., Ltd is an established manufacturer of premium products for dental and medical devices. Since its establishment in 2008, ACH Medical has desired to keep people well by supporting clinicians through high quality products and services.**

Our first priority is quality assurance to satisfy all our customer`s demands. We also guarantee to keep developing more advanced products in collaboration with global research institutes and universities.

We are pursuing a reliable company that provides innovative products and services to improve patient`s health.

# INTRODUCTION DIT FAMILY



DIT was founded in 1986, the sense of mission has enabled DIT to grow from a modest beginning to become a world leader in EMI/EMC solutions. In line with on-going technological evolution, DIT has been expanding its product line-up and market reach, investing heavily in R&D and modernizing production facilities.



# ACH MEDICAL

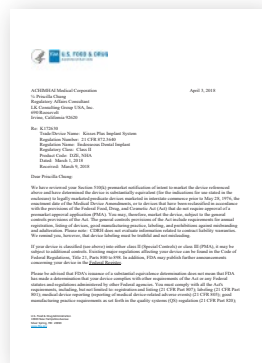
## Brief History

- 2008.04** Established Biogenesis Co., Ltd.
- 2009.04** Certified 160 kinds dental implant prosthetic components, Approval of Manufacturing from KFDA
  - 09** Designated as venture business (No. 20090108770)
  - CE Mark certified (Medical devices Class IIb)
- 2010.02** Registered dental implant surgical instrument sales
- 2011.03** Certified as R&D center affiliated company (No. 2011110466)
  - 06** Designated as promising small and medium sized business by Gyeongnam small and medium size biz admin. dept.
- 2012.04** Registered Kisses dental implant system completed with S.L.A surface treatment
  - 08** Certified manufacturing of medical device and good quality management
- 2013.01** Certified Technical Innovation Business (INNO-BIZ)
  - 02** Developed New Fixture Ampule (Pre-mount, No-mount type)
  - 03** FDA certified
- 2014.02** ACH Medical Co., Ltd. established and acquired Biogenesis Co., Ltd.
- 2016.09** Decided to enter the Laparoscopic surgery instruments business
- 2017.10** Certified Venture Business by KOSME(Korea SME's and Startups Agency)
- 2018.03** Designated as IP STAR corp. by Gyeonggi-do RIPC (Regional Intellectual Property Center)
  - 08** Launched Laparoscopic surgical instruments in Korea
- 2019.04** ISO 13485 ; 2016 certified
  - 06** Launched GDIFF as new dental brand
  - Launched NEXSURG as new medical brand
- 2020.04** ACH Medical™, GDIFF™, NEXSURG™ are registered internationally as trademark (Rep. of Korea, U.S.A, EU, Russia, India, China, Taiwan, Japan)
  - 11** Launched Laparoscopic Suction Irrigation Device
  - 12** Designated as Participating company for Export voucher by KOTRA, KOSME
- 2021. 05** CE renewal(249804-2017-CE-KOR-NA-PS)
  - 08** FDA 510(k) Approved for CCM and Multi Unit Abutment
  - Registered in Ministry of Health of Ukraine

# Intellectual Properties & Certificates



CE 2460



FDA



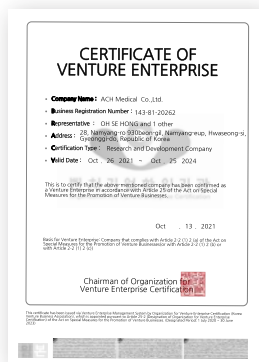
ISO 13485



UA.TR.101(Ukraine)



Certificate of Manufacturer



Venture Business



Certificate of GMP



Patent  
Drill for Operating Implant



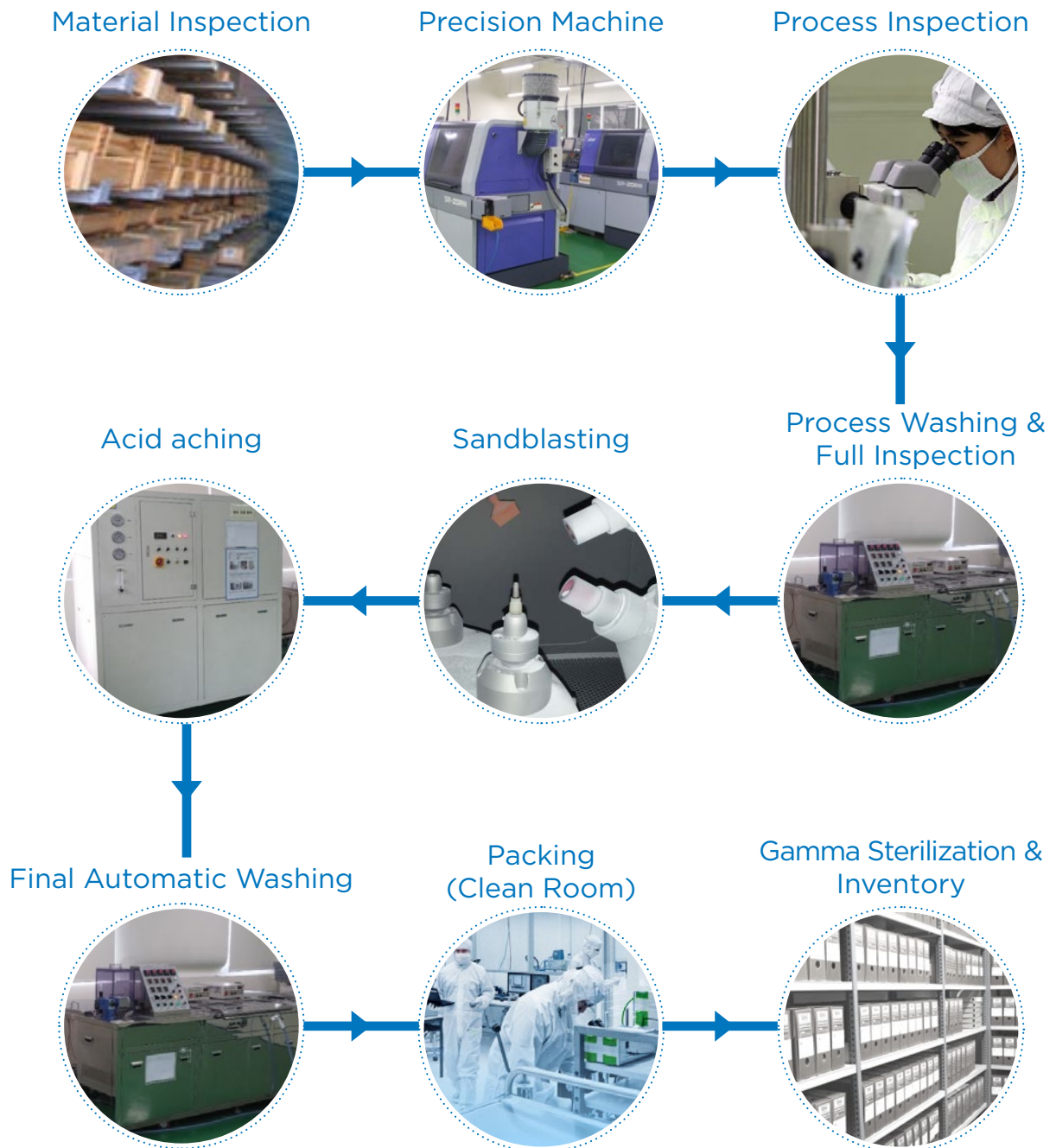
Patent  
Dental Implant Fixture



Patent  
Dental Implant Package

# Manufacturing Procedure

Ensuring we deliver high quality products to our customers, we keep high quality standards for our products and services.

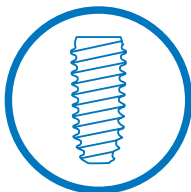


# G·DIFF Implant System Products LINE-UP

Gdiff is the dental brand of ACH Medical. We offer various products related of dentistry. All of our products are manufactured to the highest technical and quality standards. And we always listen to our customers' voices to improve our products.

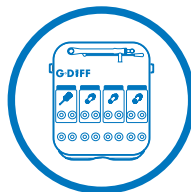


## IMPLANT SYSTEM



Fixtures  
(IB, IB-T, IB-MT, IB mini)  
Prosthetic Components

## KIT & INSTRUMENT



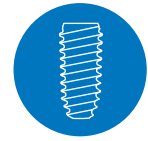
Surgical Kits  
(Regular, Advanced, Full, Mini)  
Prosthetic Kit  
Bone Collector Kit  
Implant Engine  
Piezo Bone Surgery

## REGENERATION SYSTEM



Bone Graft  
Collagen Membrane

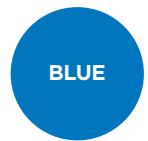
# Internal Bone Level - Tapered **IB<sup>T</sup> System**



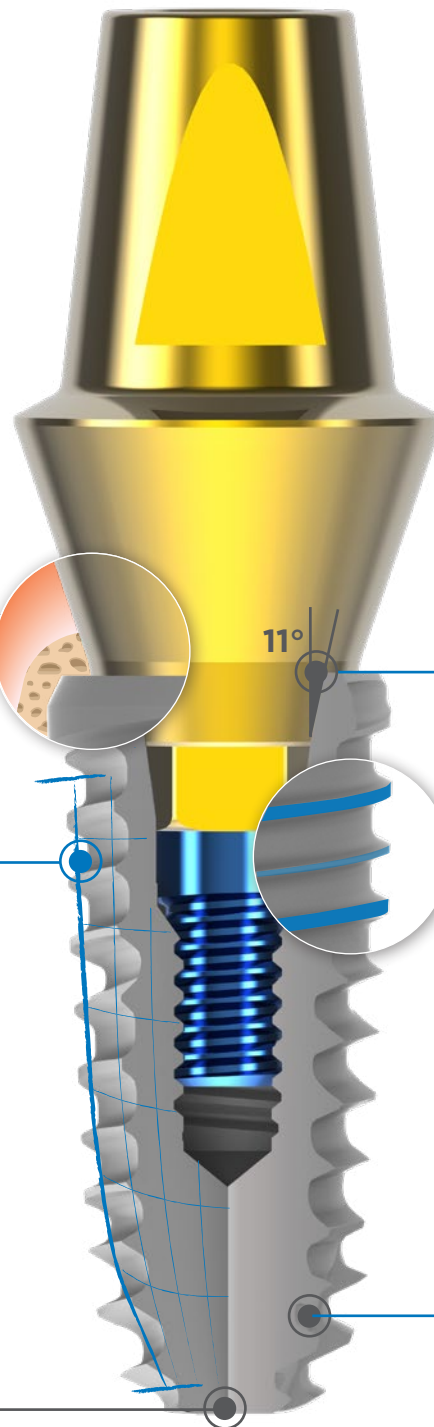
IB-T



TAPERED SHAPE



SINGLE CONNECTION



### Platform Switching

Reduces the risk of inflammatory cell infiltration  
Greatly contributes to marginal bone preservation and soft tissue attachment

### Tapered Body

Allows the compressive load to be transferred to the apex of implant  
Allows excellent primary stability especially in soft bone

### 3 Blade Cutting Edge

Self-tapping function allows smooth insertion with minimal bone destruction  
Rounded implant apex reduces risk of bone perforation

### Morse Tapered Hex Connection

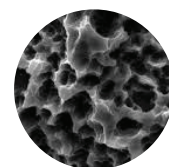
Provides anti-rotation and allows for convenient indexing of the abutment  
Distributes the load to the fixture evenly and helps to reduce the micro movement

### Hybrid Double Thread

Allows Easier and quicker implant insertion in various bone condition  
Helps to reduce bone stress during insertion and penetrate the bone with ease

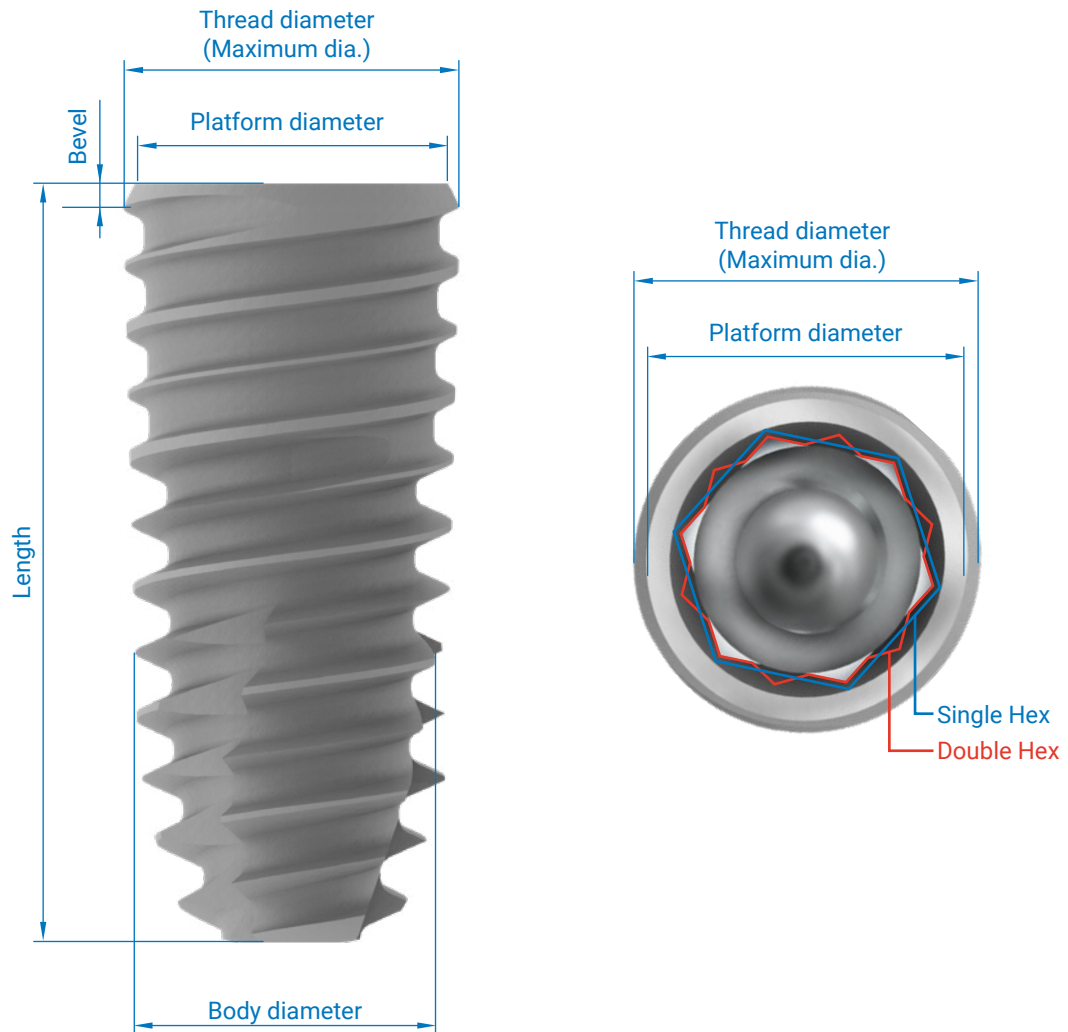
### S.L.A Surface Treatment Sandblasted, Large grits, Acid etched

Most researched and proven surface technology





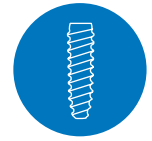
# Specification IB <sup>T</sup> Implant



Fixture	Ø3.5	Ø4.0	Ø4.5	Ø5.0	Ø5.5	Ø6.0	Ø7.0
Connection	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Body diameter	3.5	4.0	4.5	5.0	5.5	6.0	7.0
Thread diameter (Maximum dia.)	3.9	4.2	4.6	5.1	5.5	6.0	7.0
Platform diameter	3.7	3.9	4.3	4.8	5.2	5.5	6.5
Bevel length	0.3	0.3	0.3	0.3	0.3	0.6	0.6
Length	7.0 / 8.0 / 9.5 / 11.0 / 12.5 / 14.5						

\*\*14.5mm length is not available for Diameter 6.0mm and 7.0mm

# Internal Bone Level - mini **IB mini System**



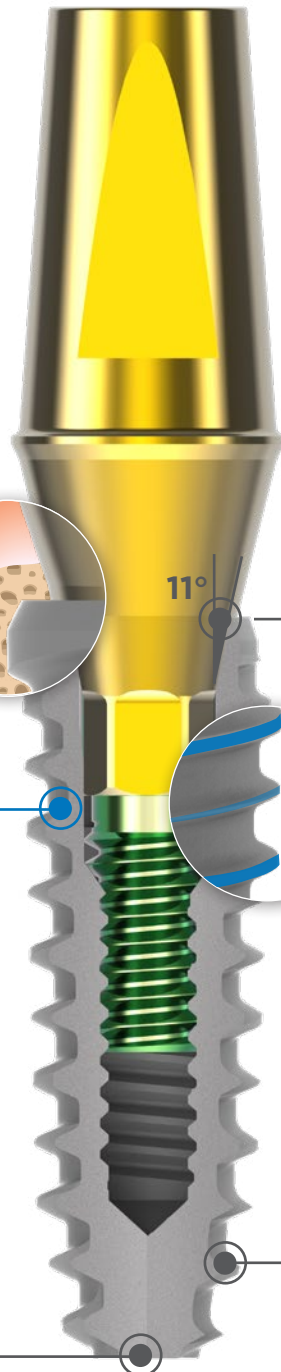
IB mini



Mini Size

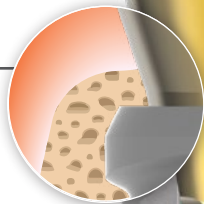


CONNECTION



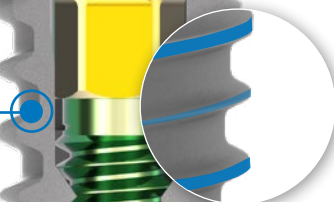
### Platform Switching

Reduces the risk of inflammatory cell infiltration  
Greatly contributes to marginal bone preservation and soft tissue attachment



### Small but Strong

Suitable for narrow interdental space like maxillary lateral incisors as well as mandibular incisors



### Morse Tapered Hex Connection

Provides anti-rotation and allows for convenient indexing of the abutment  
Distributes the load to the fixture evenly and helps to reduce the micro movement

### Hybrid Double Thread

Allows Easier and quicker implant insertion in various bone condition  
Helps to reduce bone stress during insertion and penetrate the bone with ease

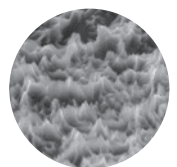
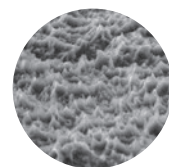


### 3 Blade Cutting Edge

Self-tapping function allows smooth insertion with minimal bone destruction  
Rounded implant apex reduces risk of bone perforation

x3.0k

x5.0k



### S.L.A Surface Treatment Sandblasted, Large grits, Acid etched

Most researched and proven surface technology

Dental Surgical Implant Engine

**G-DIFF Ki-20**

Type	REF.NO	Voltage
Optic	KI20 O	110V
		220V



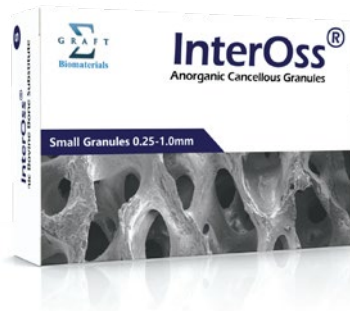
**FEATURE**

- Optic LED Control
- Compact Micro motor 40,000 rpm (1:1)
- 9 memory programs can be stored on single motor
- Light & compact optic motor for speedy and accurate surgery
- Package includes Control Unit, E-type motor, Contra angle Handpiece, Foot control and Handpiece stand
- The pump allows easy set-up of irrigation tubes and is extremely quiet during operation
- Foot control - Coolant button(4 steps), F/R change button, Program change, Foot pedal(Speed Control)

**SPECIFICATIONS**

- Power supply : AC100-120 or AC220-240V 50/60 Hz
- Speed : 20-2,000 (20:1)
- Torque : 70Ncm (20:1)
- Weight : 2.6kg
- Dimension : W240 X D225 X H108(mm)

## Bone Graft - Xenograft InterOss®



-	Particle size	
	0.25~1.0mm	1.0~2.0mm
Volume (g)		
0.25	IOSG025	-
0.5	IOSG050	IOLG050
1.0	IOSG100	IOLG100
2.0	IOSG200	IOLG200

### FEATURE

- Natural hydroxy-apatite bone grafting material derived from Australia bovine bone (BSE free)
- Highly purified osteoconductive material is produced from natural bone through a multi-step purification process
- Available in granule form (supplied sterile and is dedicated for single use)
- The presence of a macro-porous structure favors cell ingrowth, while the micropores allow the penetration of body fluids into the implant.
- The pore structure and interconnected pore system of InterOss® allow the grafting material to act as a guide for body fluids, growth factors, blood vessel, bone marrow, and bone cells.

## Resorbable Membrane Diaderm M



Size (mm)	REF.NO
15x30	DTG-10002

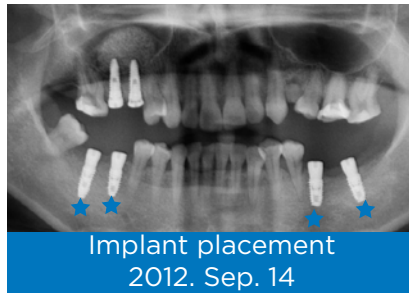
### FEATURE

- Resorbable collagen membrane (Porcine) stable degradation period
- Bio-compatibility and stability
- Easy Manipulation with low thickness, flexibility
- Stable degradation period
- Minimal inflammation

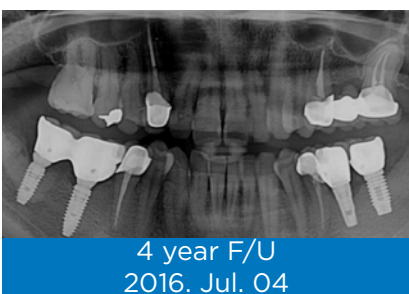
# Long-term Clinical Case

## 9+ Years Report

■ Patient A (Female)



■ Patient B (Female)



# World-wide Global Network

ACH Medical exports its products to more than 30 countries through local distributors. Please be a family of ACH Medical.

## Headquarter

28, Namyang-ro 930beon-gil, Namyang-eup, Hwaseong-si, Gyeonggi-do, Rep. of Korea, 18255

## Sales Office

9F, 11-25, Simin-daero 327beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, Rep. of Korea, 14055







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