



Ideal  
Dental Solution  
for Satisfaction  
with happiness



# Product Catalogue

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You can get more detail with QR code

## About Surgident

### **“ Ideal Dental Solution for Satisfaction with Happiness.”**

Surgident Co., Ltd. is a specialized manufacturer of dental medical devices established in 2006. The Surgident brand combines 'surgery' and 'dentistry', with the mission to create 'Smiley World', that is, strong teeth and oral health for everyone and therefore, our employees strive to develop the brand into a global company while representing Korea in the best possible way under that idea.

Since its establishment, Surgident has been expanding its business through competitive quality and production cost reduction through self-manufacturing, and has received much interest and support from medical dental technicians. We are constantly making changes to improve our technology development and manufacturing facilities and equipment, in order to meet customer's expectation.

Increasing the number of dental hospitals and patients due to the aging population and implementing cutting-edge dental procedures are becoming all the more important not only for surgical purposes but also for esthetics.

We look forward to further expansion of our dental field in terms of business feasibility and business scope and we are now in the process of helping to make another leap forward.

Surgident Co. Ltd. is committed to be a 'leading company' that pays close attention to new dental industry trends to find and create new dental products.

Thank you.

## History of Surgident

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2006

Oct Establishes Surgident

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2014

Jan Establishes Surgident Co., Ltd.

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2015

Apr Factory expansion

Jan Obtains EN ISO 13485  
CFDA registered- Class1

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2016

Feb Patent registered 'Perforation drill for upper jawbone'  
Patent registered 'Fixture remover for Implant'

Jun Patent registered 'Endodontic instrument'

Dec Obtains CFDA- Class2  
Design registered 'Dental implant surgical drill'

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2017

Sep Acquired certification of MFDS of implant upper structure  
US Patent registered 'FIXTURE REMOVER FOR IMPLANT'

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2018

Mar Patent registered 'Measuring apparatus of implant fixing force'

Dec Acquire GBR System 510K  
Transferring the Headquarter and Factory Laboratory to Daegu  
Designation of a bright small and medium-sized businesses export enterprise  
\$1 Million Export Top Award

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# Dental Handpiece



## SD-TORQUE SD-TQ

Scan the QR code to get more information of the item on this page.

Used to fix or separate upper structures in implant surgery.  
Accessible to the molar area which is hard to implant with wrench.

### Installation



• Insert driver into the hole.

### Torque control

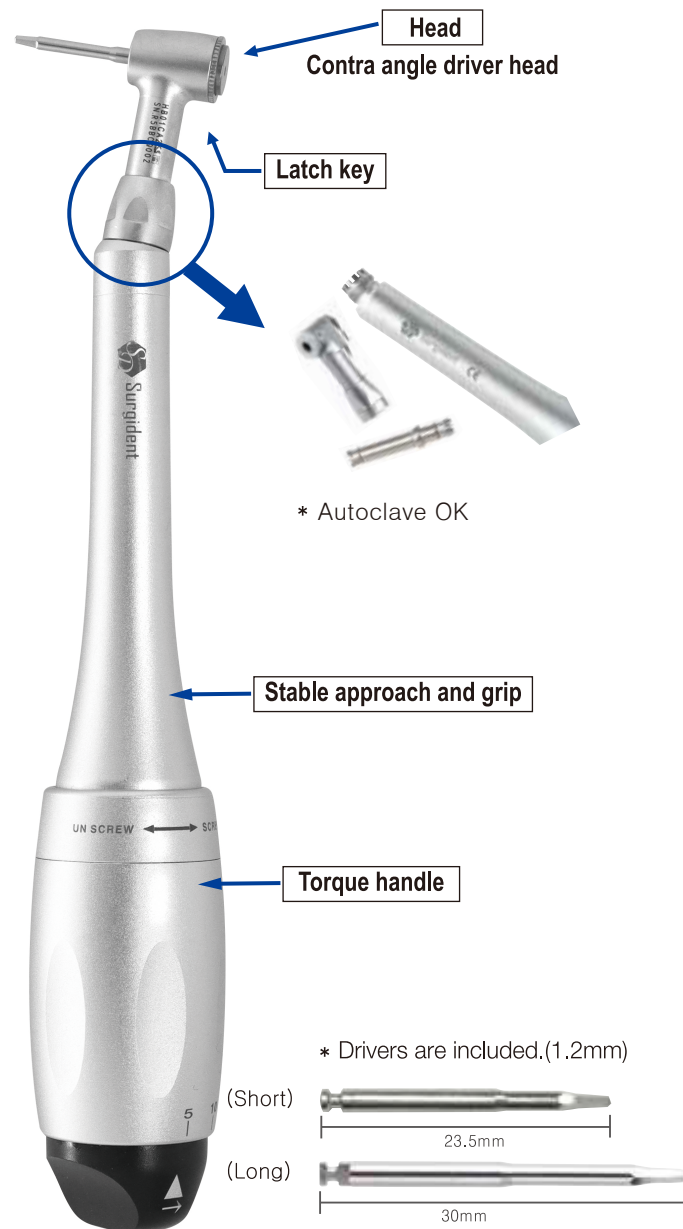


• Easy torque setting.

### Operation



• Turn the handle clockwise or counterclockwise to tighten and loosen.



Torque selector

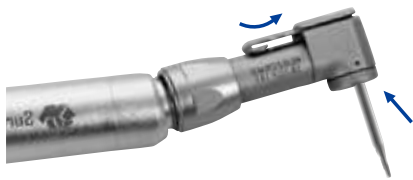
Easy torque setting(5~35N/cm)

# Dental Handpiece

## SD-TORQUELESS **SD-NQ**

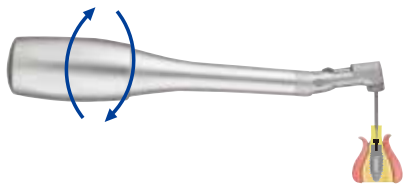
It is a non-torque version of SD-Torque, which makes it easy to access molar area during implant placement.

### Installation



- Turn the latch key to the right.
- Insert driver into the hole.
- Return the latch key to lock.

### Operation



- Rotate the handle to the right.  
(to release, rotate it in the reverse direction.)



**Head**  
Contra angle driver head

**Latch key**

\* Autoclave OK

**Stable approach and grip**

**Torque handle**

\* Driver is included.(1.2mm)

(Short)

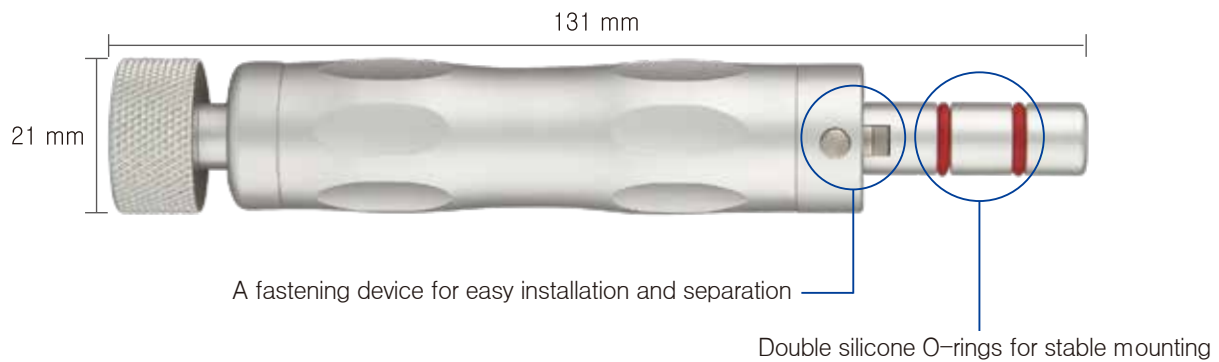
23.5mm

# Dental Handpiece

## HANDPIECE APPLICATOR **SD-HD01**

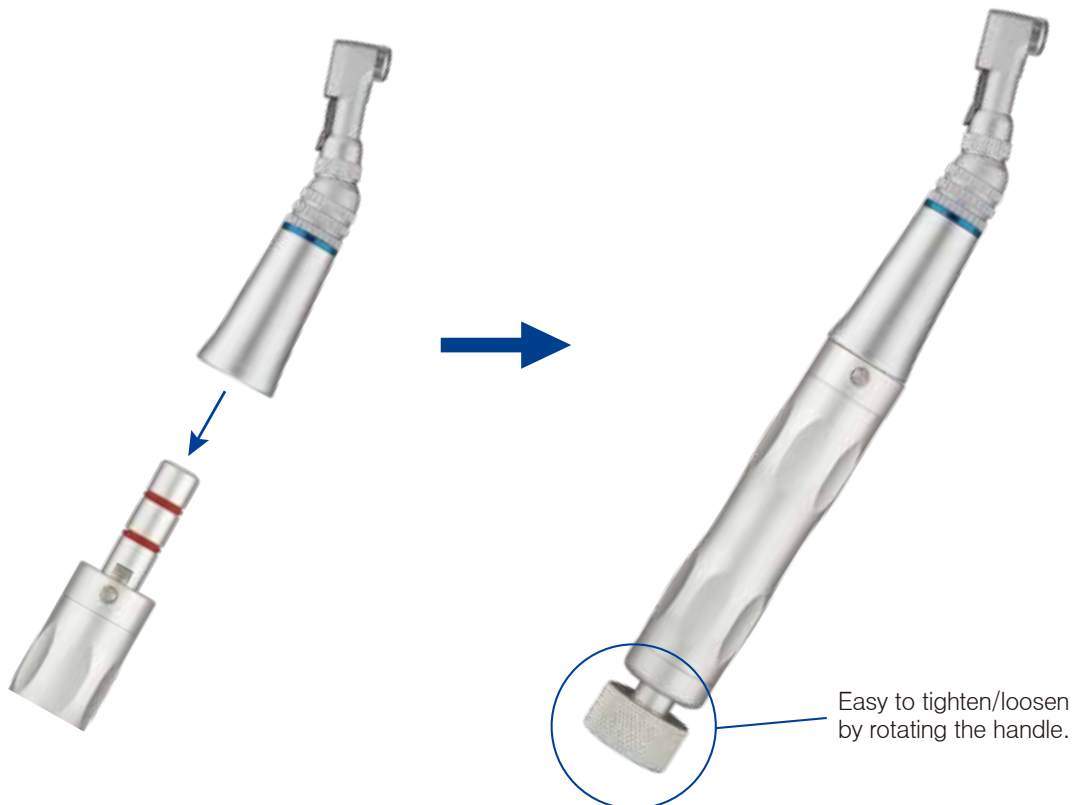
Torque-less type applicator for dental handpiece to use manually.  
It is convenient to operate handpiece by rotating the bottom handle.

- The torque-less type handle is designed to be compatible with all handpieces on the market.
- The procedure can be performed in areas that are difficult to access in the mouth, e.g. molar, the palate, and mandibular medial.
- Compared with handpiece for engine when tightening or loosening of implant or upper structures, it is easy to feel torque resistance, making it possible to carry out sensitive operation.



### **Handpiece connection**

- Engage the applicator with a handpiece as shown in Fig.



# Implant Remover

## FIXTURE & SCREW REMOVER KIT SD-FSR

Assorted kits of components needed to remove failed implant fixture and fractured screw in simple and safe way.

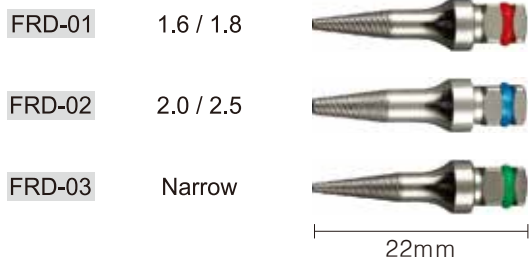


### Fixture remover system

For failed implants or implant marginal bone loss by excessive torque, remove the implant fixture by Fixture remover in safety.

### Fixture remover screw

- Fixed in and remove implant fixture by turning counterclockwise.
- \* In case that Fixture remover screw cannot be separated from the fixture because of excessive torque, forceps or mini vise can be used to grab and loosen the fixture by turning clockwise.



### Turning handle (For Fixture remover screw)

- Handle tool with Fixture remover screw for manual use.

TH-03



### Wrench – Long

- Used with Fixture remover screw manually.



SDWRH-02

### Ratchet extension

- Connected with wrench when the surgical site is not accessible.

RE-02



### Handpiece condenser

- Used to connect Fixture remover screw with implant engine.

SDADP-01



# Implant Remover

## Screw remover system

Possible to remove fractured screws in fixtures safely without slip by Drill guide selected from the standard of the fixture connection and the screw broken in that.

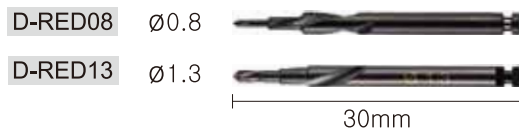
### Remover drill

- Used by turning counterclockwise in Drill guide engaged with Guide holder.



### Reverse drill

- Used to form a hole into the fractured surface of the screw by turning it counterclockwise in Drill guide with enough irrigation, in case that a fractured abutment screw is not removed by Remover drill.



### Tap drill

- Used after a hole formed by Reverse drill. Fixed it into the hole and remove the screw by turning it counterclockwise.
- \* Recommended RPM: Below 80



### Drill guide

- Used with Guide holder to fix Drilling.



### Guide Holder

- In surgery, it is used to fix Drill guide before and while drilling.



GH-01

### Turning handle

- Used with drills for manual use.



TH-01

15.4mm

### Flat tip driver

- Used to form a slot with a bur in case of fractured one-body implant or damage to the hex of upper structure.



FTD-01

(Thickness of tip: 0.8mm)

# Implant Remover

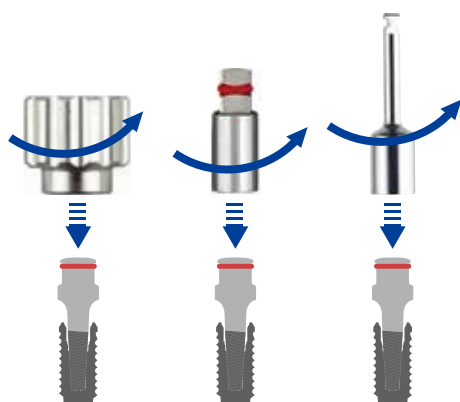
## FIXTURE REMOVER KIT SD-FR

For failed implants or implant marginal bone loss by excessive torque, remove the implant fixture by Fixture remover in safety.



### Fixture remover screw

- Fixed in and remove implant fixture by turning counterclockwise.
- \* In case that Fixture remover screw cannot be separated from the fixture because of excessive torque, forceps or mini vise can be used to grab and loosen the fixture by turning clockwise.



### For Fixture remover screw

#### Turning handle

- Handle tool with Fixture remover screw for manual use.

TH-03



#### Wrench – Long

- Used with Fixture remover screw manually.



SDWRH-02

#### Ratchet extension

- Connected with wrench when the surgical site is not accessible.

RE-02



#### Handpiece condenser

- Used to connect Fixture remover screw with implant engine.

SDADP-01



# Implant Remover

## SCREW REMOVER KIT SD-SR

Possible to remove fractured screws in fixtures safely without slip by Drill guide selected from the standard of the fixture connection and the screw broken in that.



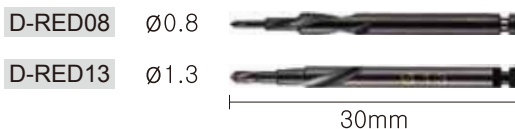
### Remover drill

- Used by turning counterclockwise in Drill guide engaged with Guide holder.



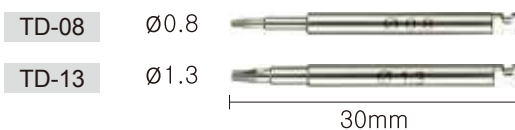
### Reverse drill

- Used to form a hole into the fractured surface of the screw by turning it counterclockwise in Drill guide with enough irrigation, in case that a fractured abutment screw is not removed by Remover drill.



### Tap drill

- Used after a hole formed by Reverse drill. Fixed into the hole and remove the screw by turning it counterclockwise.
- \* Recommended RPM: Below 80



### Drill guide

- Used with Guide holder to fix Drilling.



### Guide Holder

- In surgery, it is used to fix Drill guide before and while drilling.



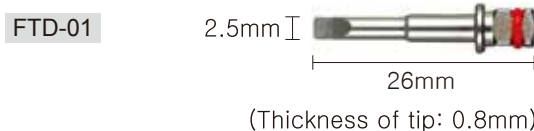
### Turning handle

- Used with drills for manual use.



### Flat tip driver

- Used to form a slot with a bur in case of fractured one-body implant or damage to the hex of upper structure.



# Sinus Lift

## C&L SINUS KIT SD-CL

### : Crestal & Lateral Approach

Possible of convenient operation with surgical tools needed for both Crestal approach and Lateral approach as Sinus lifting system.



### Stopper

- It prevents excessive perforation of hole.



### Silicon tube

- Length: 50cm



### SD-Reamer

- Used for Perforating Sinus interior wall.
- Safe membrane lifting as round shape at drilling on bone.
- Recommended RPM: 800~1,200



### Handpiece condenser

- Used to connect Aqua Lift System using implant engine.
- Recommended RPM: 30~40
- Recommended N/cm: 20



### Aqua Lift System

- It makes a role of delivering saline discharged from it to sinus membrane.



### Ratchet extension

- Used to extend the length with wrench and Aqua Lift System.



### Wrench

- To fix Aqua Lift System into the perforated hole manually.



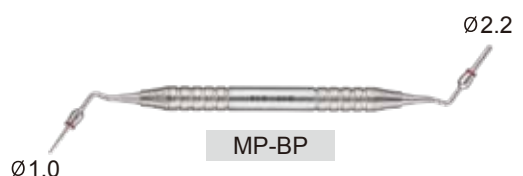
### Guide drill

- It makes guide hole marking an accurate point before using reamer.



### Bone packer

- It inserts and fills graft material.



# Sinus Lift

## Stopper

- Engaged with Later approach tools, secure the safety for damage on sinus membrane while drilling.(Depth controlling)



0.5mm  
LAST-0.5



1.0mm  
LAST-1.0



1.5mm  
LAST-1.5



2.0mm  
LAST-2.0



2.5mm  
LAST-2.5

## Sinus curette

- Used to lift sinus membrane.
- Recommended to use by its sequential order.

TOLA2-01



TOLA2-02



TOLA2-03



## LASC : Lateral Approach Side Cutter

- Used to trim or expand formed sinus lateral window.
- Coated diamond material on it helps to remove bone clearly minimizing heat.



∅7.0 LASC-7.0

Product Code	Diameter (∅)	Length (mm)
LASC-7.0	7.0	29

## LACD : Lateral Approach Core Drill

- Drill for safe perforation of lateral wall.
- Coated with diamond material to minimize the damage while touching directly the membrane.



∅8.0 LACD-8.0

Product Code	Diameter (∅)	Length (mm)
LACD-8.0	8.0	25

## LASR : Lateral Approach Sinus Reamer

- Modified drill from SD-Reamer for use in Lateral approach.
- Possible of safe perforation on alveolar bone by the cutting edge shape to drill minimizing damage on the sinus mambrane efficiently.



∅8.0 LASR-8.0

Product Code	Diameter (∅)	Length (mm)
LASR-8.0	8.0	25

# Sinus Lift



## TOCA KIT **SD-TOCA** : Tool of Crestal Approach

Scan the QR code to get more information of the item on this page.

Safe sinus lifting with specially Designed reamer.  
Various composition to operate.



### **SD-Reamer** : Perforation drill for upper jawbone

- Used for perforation of sinus interior wall.
- Dome shaped design for safe membrane lifting while drilling.
- Recommend RPM: 800~1,200



SD-RM23



SD-RM28



SD-RM33



SD-RM37

### **Guide drill**

- It makes guide hole marking an accurate point before using reamer.



GD-20

Diameter(Ø): 2.0 Length(mm): 32.5

# Sinus Lift

## Diamond reamer

- It cleans granulation tissue and soft tissue quickly in safety after extraction.
- It makes a role of initial guide when bone is thin or residual bone is very near to membrane.
- Recommended RPM : 800~1,200



## Sensor gauge

- It is to check if sinus membrane is perforated.



## Depth gauge

- It is to measure the depth of hole after drilling.



## Bone packer

- It inserts and fills graft material.



## Bone syringe

- It moves graft material into the sinus.



## Stopper

- It prevents excessive perforation of hole.



# Sinus Lift



## AQUA TOCA KIT SD-AQUA

Scan the QR code to get more information of the item on this page.

Low risk of perforation using hydraulic pressure in lifting sinus membrane.

Much safer than other hard tools by lifting the membrane using saline through ALS(Aqua Lift System) and makes the membrane lifted as dome shape all the time.



### SD-Reamer : Perforation drill for upper jawbone

- Used for Perforating Sinus interior wall.
- Safe membrane lifting as round shape at drilling on bone.
- Recommended RPM: 800~1,200

SD-RM23

Ø2.3



SD-RM28

Ø2.8



SD-RM33

Ø3.3



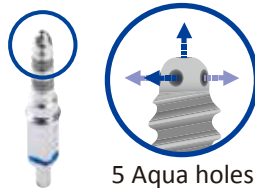
SD-RM37

Ø3.7



### ALS: Aqua Lift System

- After SD-Reamer, fix ALS in sinus interior wall using wrench or implant engine.
- ALS makes a role of delivering saline discharged from it to sinus membrane.
- 5 aqua holes(4 at side and 1 at the top) on ALS help to make safer sinus lifting as dome shape.



ALS30

4 6 8 10mm



Ø3.0

ALS35



Ø3.5

### Handpiece condenser

- Used to connect ALS using implant engine.
- Recommended RPM: 30~40
- Recommended N/cm: 20

SDADP-02



### Ratchet extension

- Used to extend the length with wrench and ALS.

R.C EXT



### Wrench

- To fix ALS into the perforated hole manually.

SDWRH-00



### Silicon tube

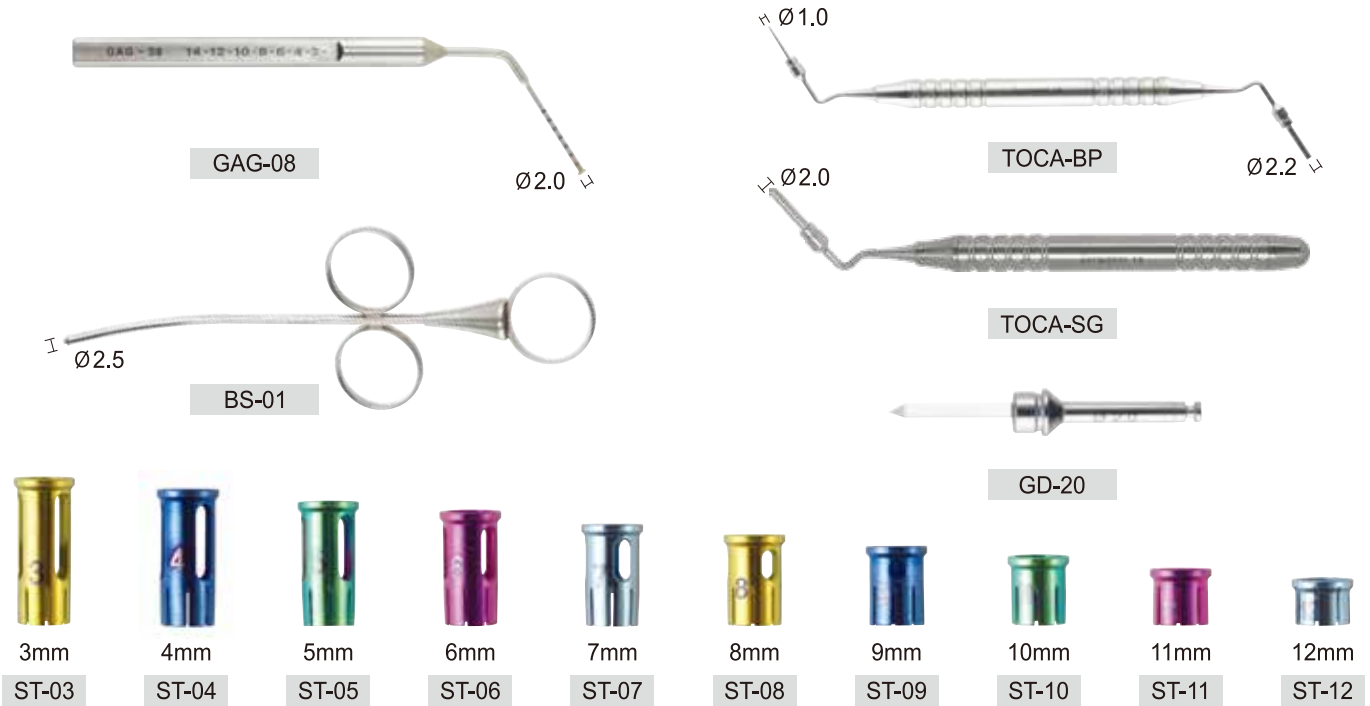
- Length: 50cm

SD-ST

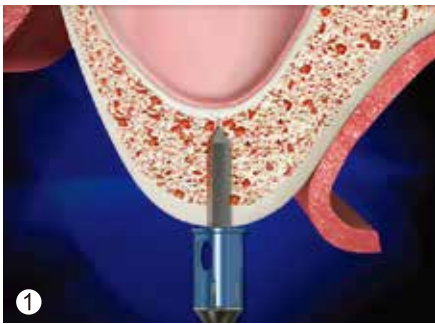


# Sinus Lift

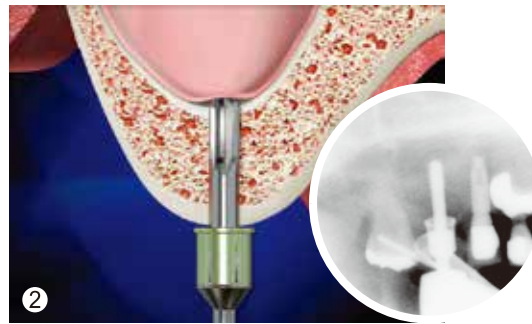
• All components of Stopper set, Guide drill, Depth gauge, Bone packer and Bone syringe are same as the ones in TOCA KIT.



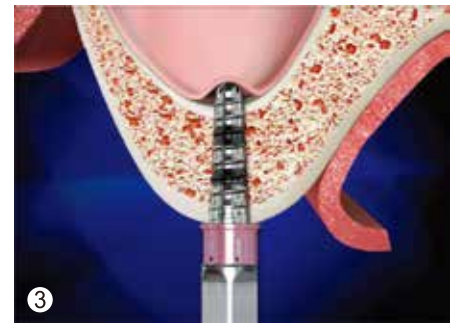
## How to use



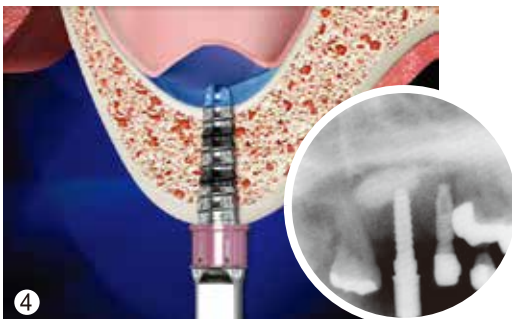
1 • Make marking at surgery area using Guide drill.



2 • Drill with stopper engaged all the way up to membrane more than 1mm.



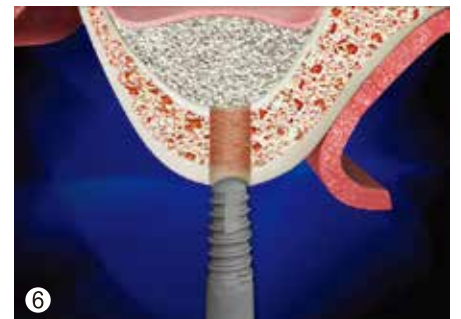
3 • Fix ALS into the hole.



4 • After drilling, lift up membrane using hydraulic pressure with ALS.



5 • Fill the space lifted with bone graft material using bone packer.

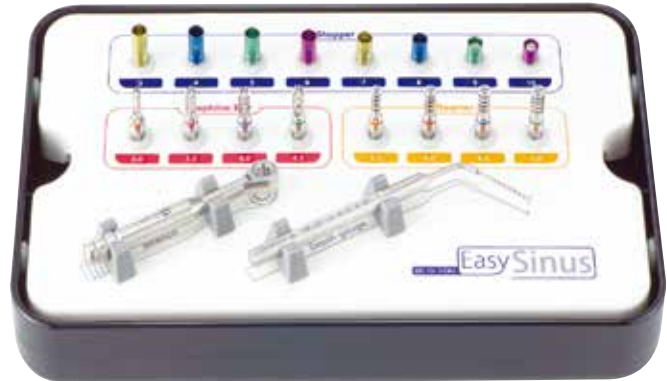


6 • Place the fixture.

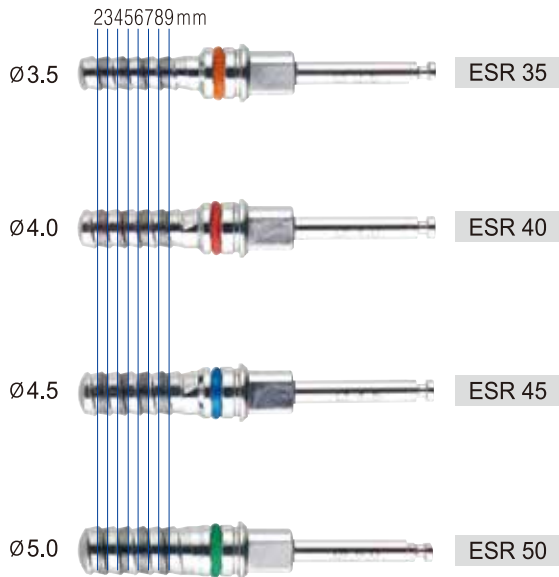
# Sinus Lift

## EASY SINUS KIT SD-ES

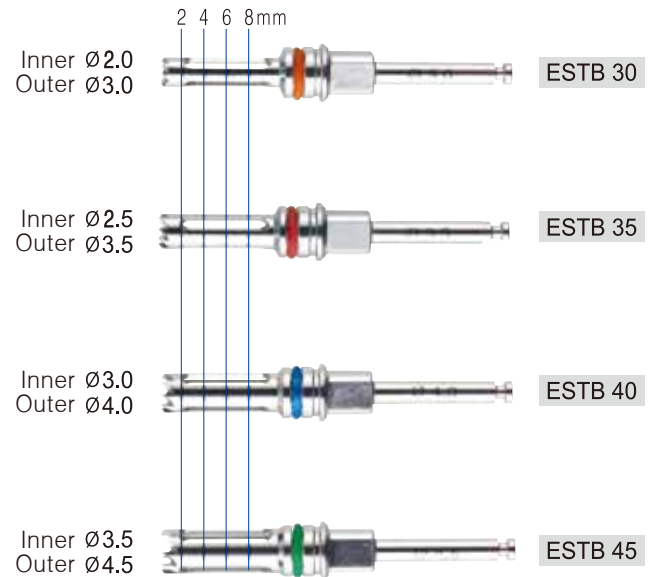
Useful to get proper amount of osseous tissue during implantation on the maxillary molar area.



### ES-Reamer



### Trephine bur



### Wrench

•Used manually to fix ES-Reamer.



SDWRH-00

### Depth gauge

•Tool to measure the depth of the drilled hole.



GAG-10

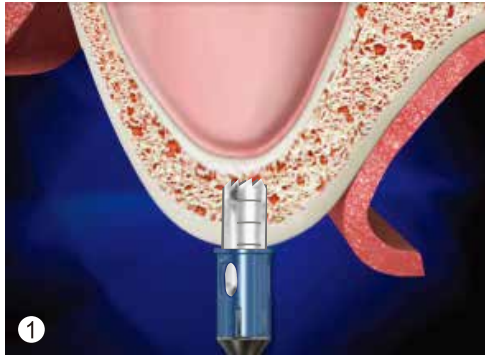
### Stopper

•It prevents excessive perforation of hole.

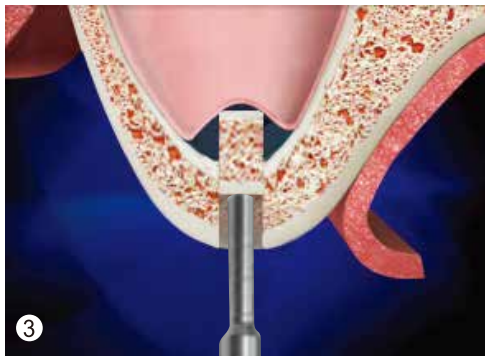


# Sinus Lift

## How to use



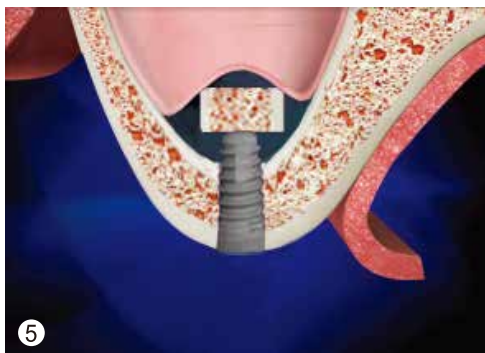
- Measure the depth of the residual bone of the maxillary sinus through X-Ray picture before operation.
- Choose a stopper which is 1mm shorter than the depth of residual bone and insert the trephine bur with desired size.
- Make drilling on the bone. (Recommended RPM : 800~1,000)



- Lift sinus wall with the cut bone by malleting osteotome.



- Use ES-Reamer slowly to lift sinus membrane and secure the space inside the maxillary sinus. (Recommended RPM : 20~25)
- \* Wrench is usable.



- Place fixture.



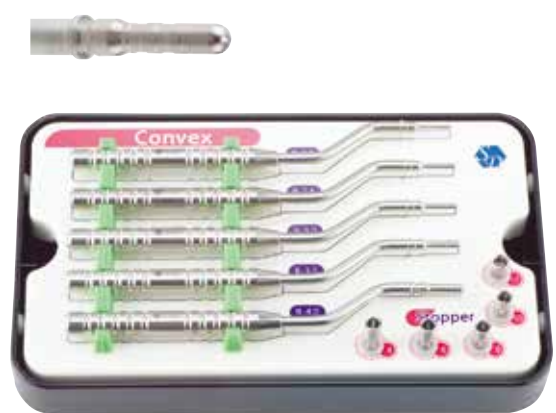
# Sinus Lift

## OSTEOTOME SET

**S-Set** SD-CONCAVE



**R-Set** SD-CONVEX



### Stopper



\* Stoppers are included in both Osteotome S-Set and R-Set.

# Sinus Lift

## 3S SET SD-3S

Composed of instruments necessary for perforation.

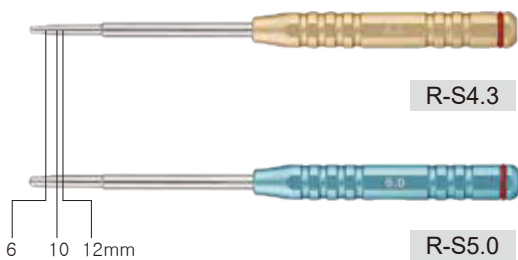
Used to lift sinus membrane directly from the alveolar ridge even if the remaining bone of the surgical site is 2 to 4 mm or less.



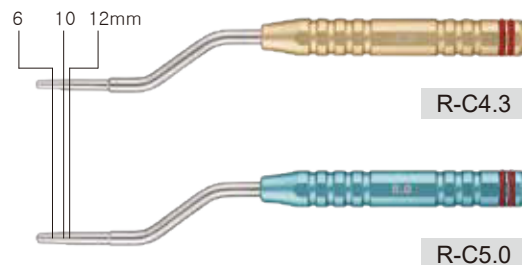
### Osteotome

- Required for the alveolar ridge approach.
- Designed in the shape of a convex and used with a mallet during the operation to apply force parallel to the center line of the handle.

#### <Straight type>

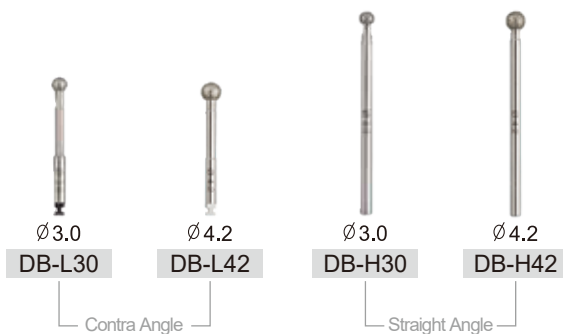


#### <Curved type>



### Dia bur

- Used to remove the alveolar bone if the depth of that is 2 to 4mm or less on the surgical site.



### Mallet

- A mallet to be used with Osteotome.



### Bone well

- Used for grafting or mixing graft materials.



### Bone packer

- Tapered design prevents excessive insertion of instruments during filling graft material into the sinus.



### Bone curette

- Used to transfer the graft material into the sinus membrane.



# Sinus Lift



## TOLA KIT **SD-TOLA**

### : Tool of Lateral Approach

Scan the QR code to get more information of the item on this page.

Composition of tools forming sinus lateral window in safe and speedy way.

Used in surgery cases : Residual bone within 1~3mm, Perforated membrane at crestal approach, Placement of multiple implants.



### *Sinus curette*

- Used to lift sinus membrane manually.
- Recommended to use by its sequential order.

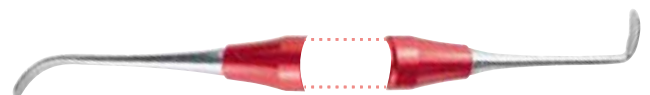
### \*Detail



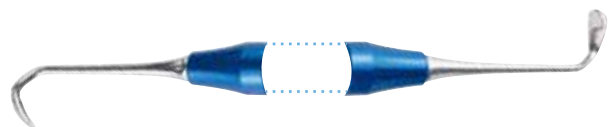
TOLA-01



TOLA-02



TOLA-03



TOLA-04



# Sinus Lift

## LAC : Lateral Approach Cutter

- Guide drill for non-slip and accurate positioning in using LAD.



LAC-6.0



LAC-8.0



Diameter(∅)	Length(mm)
6.0	20
8.0	20

\*Recommended : 800–1,200RPM

## LAD : Lateral Approach Drill

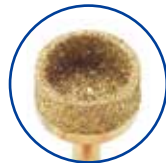
- Drill for safe perforation of lateral wall.
- Possible of depth controlling.
- Prevention of damage on the sinus membrane by bone chips covered on it while drilling.



LAD-6.0



LAD-8.0



Diameter(∅)	Length(mm)
6.0	20
8.0	20

\*Recommended : 800–1,200RPM

## LAR : Lateral Approach Reamer

- Used to open lateral window which is hard to approach.
- Special diamond material designed on it to minimize the damage while touching directly the membrane.



LAR-R8.0



LAR-F8.0



Diameter(∅)	Length(mm)
8.0	20
8.0	20

\*Recommended : 800–1,200RPM

# Sinus Lift

## TOLA KIT II SD-TOLA2

### : Tool of Lateral Approach II

Sinus lift kit for Lateral approach with ensured safety by connecting stoppers to Lateral approach tools in surgical operation.



### Sinus curette

- Used to lift sinus membrane.
- Recommended to use by its sequential order.



TOLA2-01



TOLA2-02



TOLA2-03



TOLA2-04

### \*Detail



### Stopper

- Ensure safety by engaging with Lateral approach tools in drilling(Depth controlling) to prevent perforation on sinus membrane.



0.5mm  
LAST-0.5



1.0mm  
LAST-1.0



1.5mm  
LAST-1.5



2.0mm  
LAST-2.0



2.5mm  
LAST-2.5

# Sinus Lift

## LASC : Lateral Approach Side Cutter

- Used to trim or expand formed sinus lateral window.
- Coated diamond material on it helps to remove bone clearly minimizing heat.



LASC-5.0



LASC-7.0

Product Code	Diameter(∅)	Length (mm)
LASC-5.0	5.0	29
LASC-7.0	7.0	29

## LACD : Lateral Approach Core Drill

- Drill for safe perforation of lateral wall.
- Coated with diamond material for excellent cutting force.



LACD-6.0



LACD-8.0

Product Code	Diameter(∅)	Length (mm)
LACD-6.0	6.0	25
LACD-8.0	8.0	25

## LASD : Lateral Approach Sinus Drill

- Use to open lateral window at the site is not accessible to the surgical site with LACD.
- Coated with diamond material for excellent cutting force.



LASD-R8.0



LASD-F8.0

Product Code	Diameter(∅)	Length (mm)
LASD-R8.0	8.0	25
LASD-F8.0	8.0	25

## LASR : Lateral Approach Sinus Reamer

- Modified drill from SD-Reamer for use in Lateral approach.
- Possible of safe perforation on alveolar bone by the cutting edge shape to drill minimizing damage on the sinus mambrane efficiently.



LASR 6.0



LASR-8.0

Product Code	Diameter(∅)	Length (mm)
LASR-6.0	6.0	25
LASR-8.0	8.0	25

# Sinus Lift

## WRS KIT **SD-WRS**

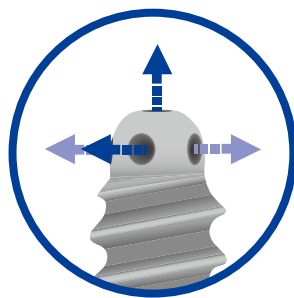
### : Water Rising System

Simple sinus lift component set.  
5 holes to make membrane lifted as dome shape.  
Lower risk of perforation by hydraulic pressure.



### Aqua tip

- Fix Aqua tip in sinus interior wall using wrench.
- It is used to lift sinus membrane and it can be lifted in safety using hydraulic pressure of saline through the holes.



5 Aqua holes  
: 4 at side and 1 on top



### Silicon tube

- Length: 50cm



SD-ST

### Stopper

- Prevention of excessive perforation / Various sizes



# Bone Expansion & Collection

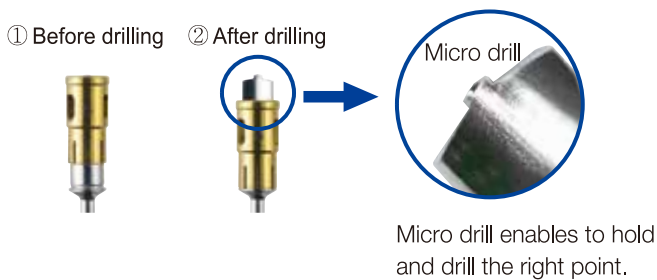


## NLBC KIT SD-NLBC : Never Loss Bone Collector

Scan the QR code to get more information of the item on this page.

Tool to collect patient's own bone for autograft using drill at implant surgery.

Possible to make accurate point with micro drilling.



### Bone collector $\Phi 2.0$



### Bone pusher



NLBC-BP

### Bone collector $\Phi 3.0$



### Bone collector $\Phi 4.0$



### Bone collector $\Phi 5.0$



### How to use

- Connect the stopper with desired size of NLBC drill.
- Place the connected drill on the surgery area or implant placement area and then make drilling.  
(Recommended RPM : 300, Recommended N/cm : 50)
- After drilling, stopper is inserted completely and the inserted depth is 4mm. (Identical in all sizes)
- Separate the drill and then push out the bone from the stopper using bone pusher.



# Bone Expansion & Collection



## BMS SD-BMS : Bone Multi System

Scan the QR code to get more information of the item on this page.

Combination set for Bone expander kit and Bone spreading kit.

Additional chisel and bone collector.

For patient who has narrow bone ridge at one time when placing implant in various cases.



### Contouring Bur

·Flattens the slope of the bone.



### Saw disk



### Guide drill



### Expander drill



·Recommended RPM : 40~50

### Handpiece condenser



### Wrench



## Clinical Case

- It is used for single implant.
  - After guide drilling on narrow bone ridge, make sequential expansion using expander drill.
  - It gives initial fixation power.
- Ex) Expanding up to 4.0 for 4.5 size of implant placement.



# Bone Expansion & Collection

## Spreading pin



SP-01



## Spreading adapter



SA-01



\* When connected



· Turn Spreading adapter clockwise to spread upper and under parts of the pin.

## Wrench adapter



WA-01



· Connected with Spreading pin to be operated using Wrench.

## Splitting chisel



1.0mm / Curved

SCL-05

## Never Loss Bone Collector



NLBC-5.0



NLBC-ST5

\* Before drilling



\* After drilling



Bone is collected inside the stopper.

## How to use



① Incise the alveolar bone that implant will be placed using Saw disk. (the sequence of incision follows the picture at the bottom.)



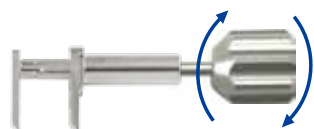
② Insert Spreading pins between the incised bone side by side. If this step is not applicable, Spread the site using Splitting chisel and operate again.



1mm



③ Turn the pins one by one slowly and expand the ridge evenly. (Wrench adapter with Wrench is usable instead of Spreading adapter.)



\* Connect Spreading adapter to inserted pin and turn clockwise.



\* If needed, collect more graft material using NLBC.

④ After the expansion, remove Spreading pins and place fixtures on the site. (Exchange each pin and fixture separately, not remove all pins at the same time.) Fill graft bone material around placed fixtures.

# Bone Expansion & Collection



## BONE EXPANDER KIT SD-BE

Scan the QR code to get more information of the item on this page.

Used for the patient with narrow bone ridge or bad bony tissues.

Unique design of expander drill.



### Contouring Bur

·Flattens the slope of the bone.



### Saw disk

Thickness 0.25mm



### Guide drill



- It is used for single implant.
  - After guide drilling on narrow bone ridge, make sequential expansion using expander drill.
  - It gives initial fixation power.
- Ex) Expanding up to 4.0 for 4.5 size of implant placement.

### Expander drill



·Recommended RPM : 40~50

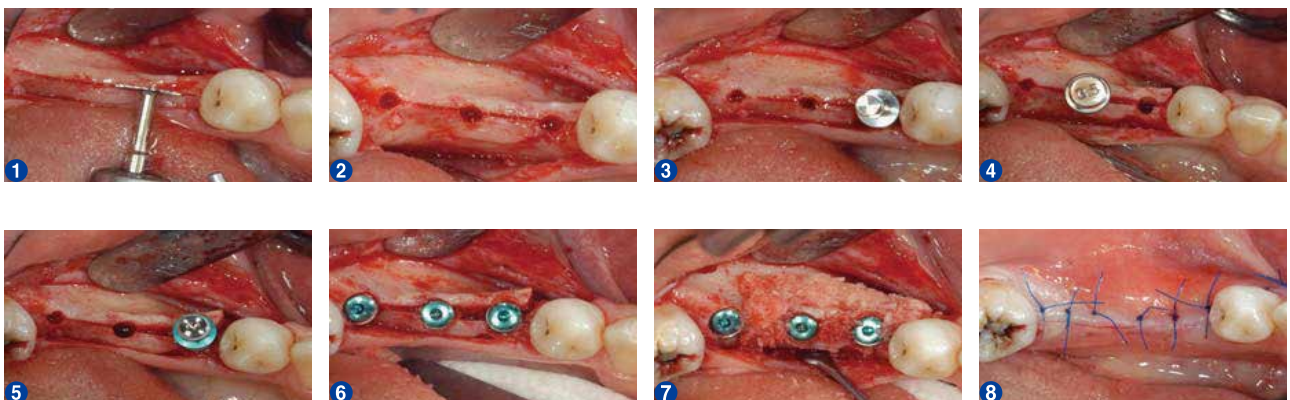
### Handpiece condenser



### Wrench



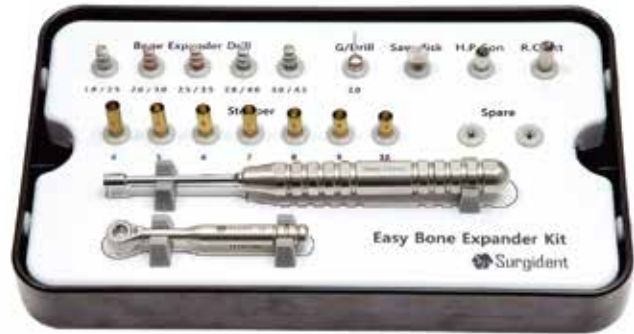
### Clinical Case



# Bone Expansion & Collection

## EASY BONE EXPANDER KIT SD-EBE

Designed to connect stoppers for improved safety and ease in surgical operation, Particularly, useful of surgery in anterior area with Hand driver.



### Saw disk



SDSAW-09

### Handpiece condenser



SDADP-01

### Guide drill



BEGD-20

### Ratchet extension

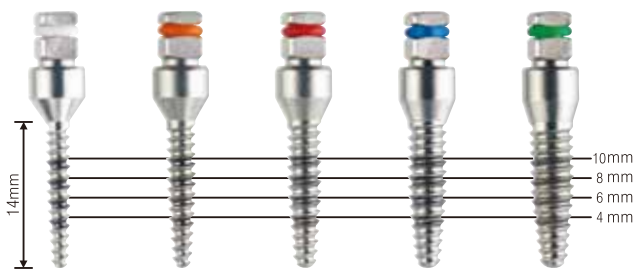


RE-01

### Expander drill

•Screw to expand bone of surgical site.

Ø2.8/4.0    Ø2.5/3.5    Ø2.0/3.0    Ø1.8/2.5    Ø3.0/4.5



SDEXP-01    SDEXP-02    SDEXP-03    SDEXP-04    SDEXP-05

### Wrench



SDWRH-00

### Hand driver

•Used manually with Expander drill for surgical operation at anterior site.



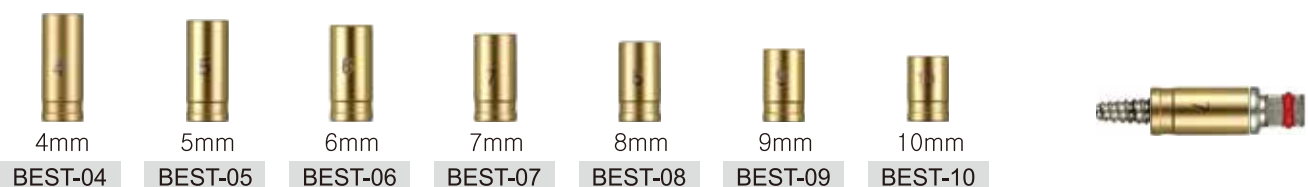
SD-HD

•Recommended RPM : 40~50

### Stopper

•Stoppers to control the depth of the surgical site from screwing of Expander drill.

\* Possible to engage stoppers.



BEST-04    BEST-05    BEST-06    BEST-07    BEST-08    BEST-09    BEST-10

# Bone Expansion & Collection



## BONE SPREADING KIT SD-BS

Scan the QR code to get more information of the item on this page.

Placement of several implants at one operation for the patient who has narrow bone ridge.



### Saw disk

Ø7.0



SDSAW-07

Ø9.0



SDSAW-09

### Wrench



SDWRH-00

### Wrench adapter



WA-01



• Connected with Spreading pin to be operated using Wrench.

### Spreading pin



SP-01



### Spreading adapter



SA-01



\* When connected



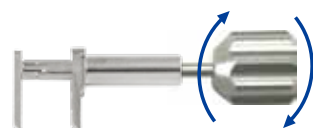
• Turn Spreading adapter clockwise to spread upper and under parts of the pin.

### How to use



① Incise the alveolar bone that implant will be placed using Saw disk. (the sequence of incision follows the picture at the bottom.)

② Insert Spreading pins between the incised bone side by side. If this step is not applicable, Spread the site using Splitting chisel and operate again.



\* Connect Spreading adapter to inserted pin and turn clockwise.



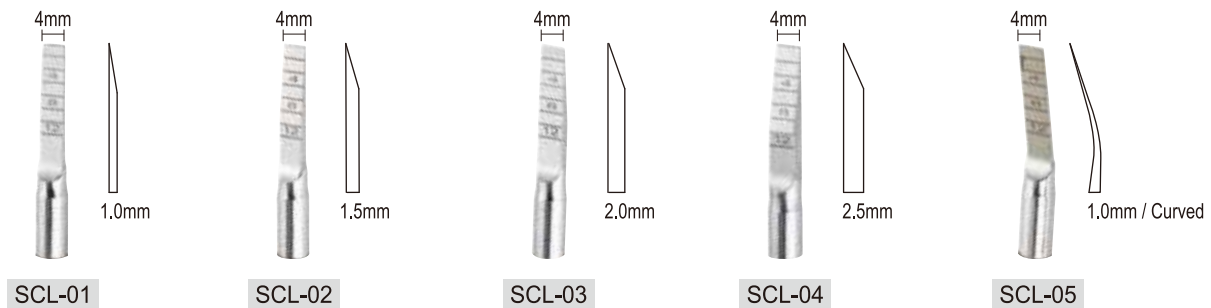
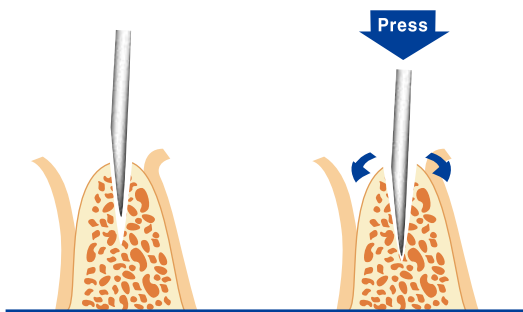
③ Turn the pins one by one slowly and expand the ridge evenly. (Wrench adapter with Wrench is usable instead of Spreading adapter.)

④ After the expansion, remove Spreading pins and place fixtures on the site. (Exchange each pin and fixture separately, not remove all pins at the same time.)  
Fill graft bone material around placed fixtures.

# Bone Expansion & Collection

## RIDGE SPLIT SET **SD-RS**

Used to open up narrow bone ridge.  
Five types and sizes for various cases.



## OCHENBEIN CHISEL

·Used for shaping and removing bone.



# Safe Drilling & Trimming



## TOP SYSTEM SD-TOP

Scan the QR code to get more information of the item on this page.

Effective use for various cases in implant placement right after extraction.

Easy to secure implantation site after extraction and fast surgery.



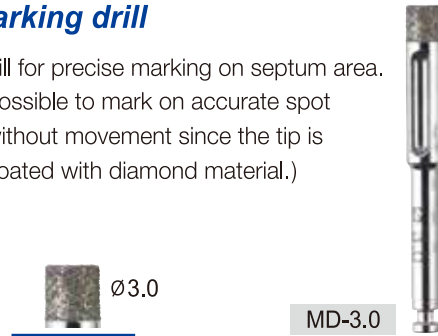
### TOP-Bur

• Burs to remove inflammation or soft tissue after extraction. (It makes fast removal without bouncing of osseous tissue.)



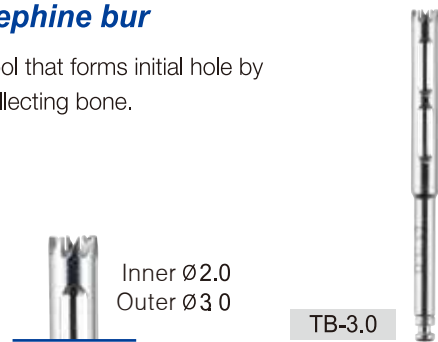
### Marking drill

• Drill for precise marking on septum area. (Possible to mark on accurate spot without movement since the tip is coated with diamond material.)



### Trephine bur

• Tool that forms initial hole by collecting bone.



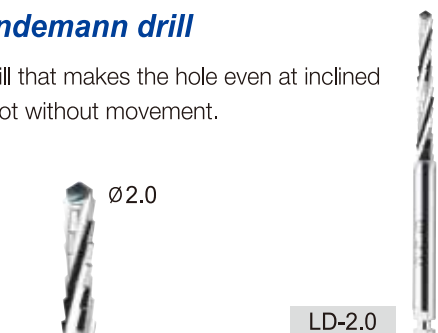
### TOP-Drill

• Burs to expand bone along initial hole



### Lindemann drill

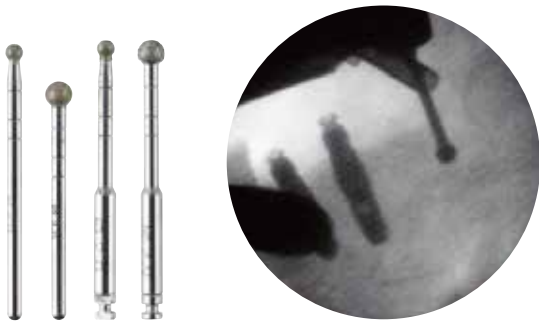
• Drill that makes the hole even at inclined spot without movement.



# Safe Drilling & Trimming

## TOP-SYSTEM : Surgery case

### At extraction of molars or existence of septum



- 1 Remove granulation tissue and soft tissue using Top bur.



- 2 Mark on the septum accurately using Marking drill.

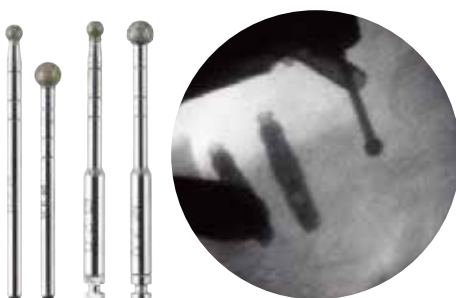


- 3 Make initial hole using Trepphine bur on the spot marked.

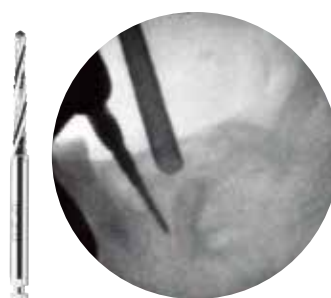


- 4 Expand the initial hole using Top drill(3.0 and 4.0)and place the implant after final drilling.

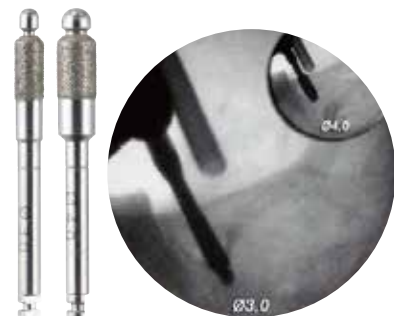
### Cases with no septum or extraction of incisors



- 1 Remove granulation tissue and soft tissue using Top bur.



- 2 Make initial hole using Lindemann drill.



- 3 Expand the initial hole using Top drill(3.0 and 4.0)and place the implant after final drilling.

# Safe Drilling & Trimming

## TRIMMER KIT **SD-TR**

Convenient storage.  
Various components.  
Prevention of loss.



### Tissue punch

Ø 3.0



SDTIS-30

Ø 3.5



SDTIS-35

Ø 4.0



SDTIS-40

Ø 4.5



SDTIS-45

Ø 5.0



SDTIS-50

### Trephine bur

Inner Ø 3.2  
Outer Ø 4.0



SDTRB-04

Inner Ø 4.2  
Outer Ø 5.0



SDTRB-05

Inner Ø 5.2  
Outer Ø 6.0



SDTRB-06

Inner Ø 6.2  
Outer Ø 7.0



SDTRB-07

Inner Ø 7.2  
Outer Ø 8.0



SDTRB-08

### Guide punch

Ø 4.0



SDGTS-40

Ø 5.0



SDGTS-50

### Saw disk

Thickness  
0.25mm



Ø 7.0

SDSAW-07

Thickness  
0.25mm



Ø 9.0

SDSAW-09

# Other Implant Relative

## IMPLANT POSITIONING KIT SD-IPO

Possible to place implant inducing without guide stent.

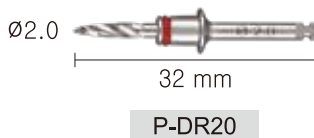
Predictable of the site and size of crown engaged finally in a process of implant surgery.

Separated drill and guide to engage each needed.



### Positioning drill

- Engaged with guide to drill on the site for dental implantation.



### Positioning guide

- Guide tools to induce implant to be placed on the proper site.



\* When connected



### Guide pin

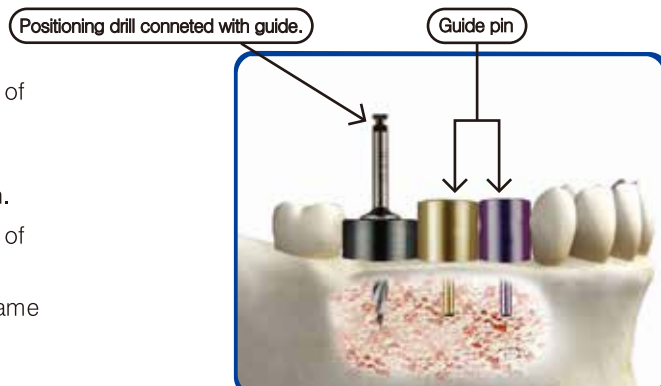
- In surgery of multiple implants, it is used to make the surgical site or path for Implant fixtures accurately and to check the size or shape of crown.



### How to use

- Select the Positioning guide that matches dimension of the missing tooth and drill on the site connecting with Positioning drill to make an orifice.
- Replace Positioning drill with the same size Guide pin.
- Select the Positioning guide that matches dimension of the second missing tooth.

Process of surgical operation from the next step is same as ① to ②.

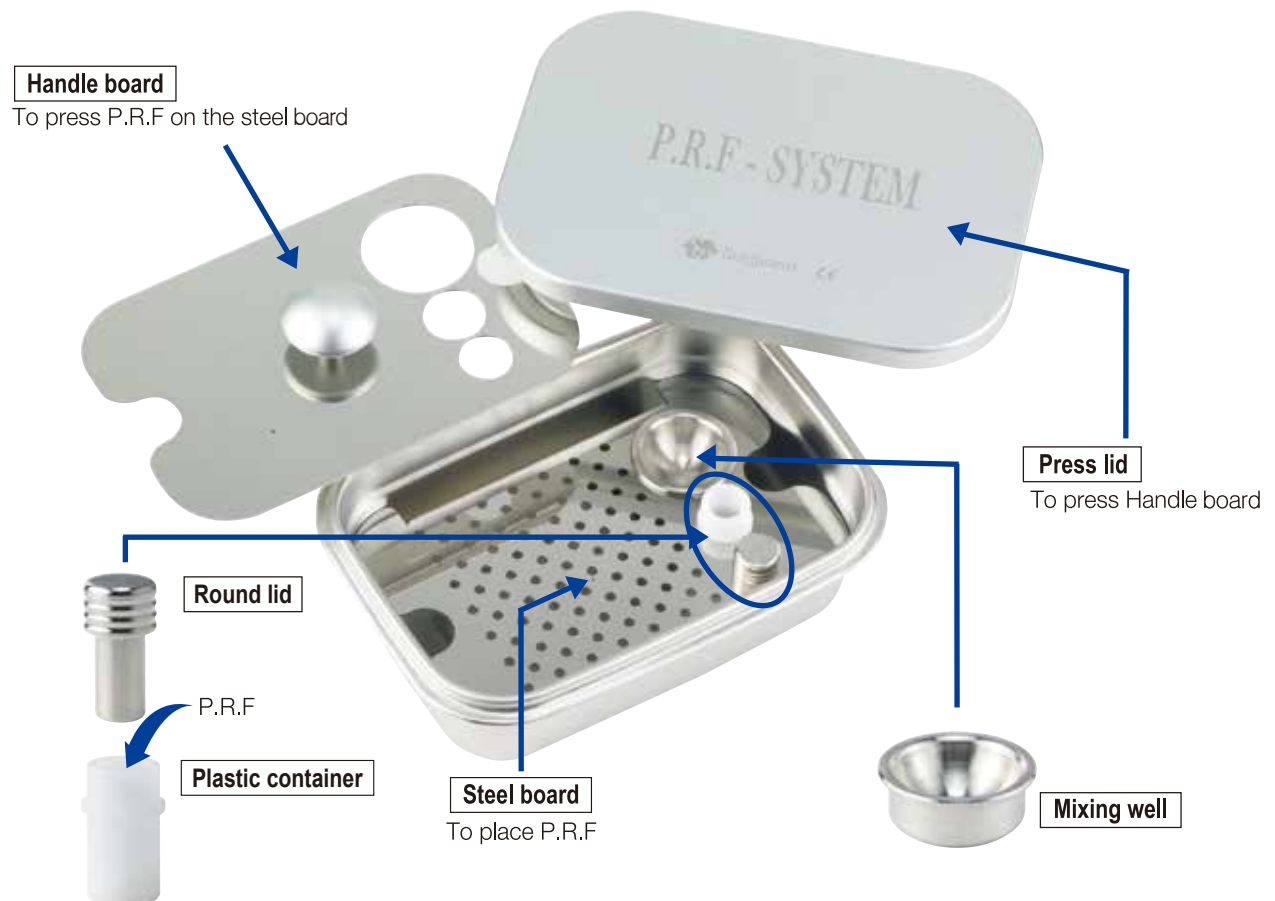


# Bone Grafting Relative

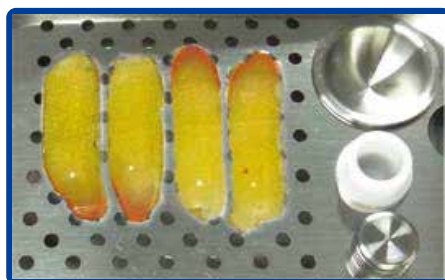
## P.R.F SYSTEM SD-PRF

: Platelet Rich Fibrin

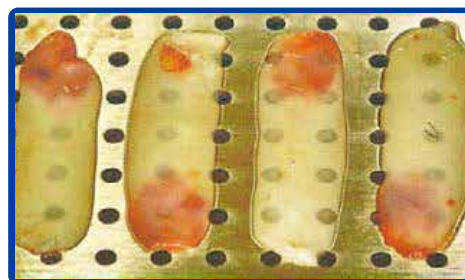
Multiple P.R.F completed in centrifuge can be made simultaneously, which reduces operation time to use desired shape of P.R.F.



- 1** Place multiple P.R.F on the Steel board.
- 2** Place the Handle board on Steel board and then cover with Press lid.



**Clots in the PRF-System**



**PRF membranes**



**PRF membrane**

# Bone Grafting Relative



## BONE MILL SD-BM

Scan the QR code to get more information of the item on this page.

Minimizing bone loss in milling.

Securing 0.1mm bone grinding space.(Stainless powder zero)



### How to assemble and mill



• After assembling in order, put the bone and turn handle pressing and inserting it into the body part.  
(Do not put excessive amount of bone chip for easy mill.)

• Handle



• Body



### User manual for harvest milled bone particles



Bone chips

Separate ② from assembled the body and use bone chip accumulated on ①.

### Bone pusher



• To push remaining bone at crush sheet after milling.

# Others

## SD-REAMER SET SD-CA

Specially designed reamer.

Composed of SD-Reamer which is one of the popular components with stopper set.

Reducing prices set for the customer who wants SD-Reamers.



## STOP DRILL KIT SD-SD

Composed of three sizes of drills and stopper set.  
Recommended for sinus approach.



## IPD KIT SD-IPD : IMPLANT PROSTHETIC DRIVER KIT

Various types and sizes of drivers.  
Easy to use.

	Type
Ø1.2	Osstem / DIO / 3i / Xive
Ø1.25	Dentium / Astra / Zimmer
Ø1.3	Platon
B/M	Branemark
S/M	Straumann



# Others

## SD-Reamer



## Stopper



## Stop drill



## Stopper



## Abutment screw driver (Long type: 30mm / Short type: 23.5mm)



## Turning handle



## Wrench condenser



# Basic Implant Surgical Kit

## **BASIC KIT : Implant surgery package** **SD-BK**

PES-364 Prichard



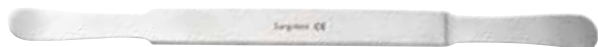
PES-362 Molt9



PES-24G P24G



PES-365 Seldin



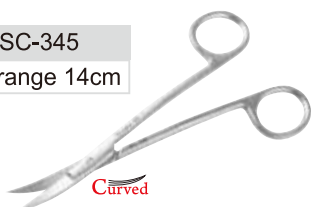
CO 3 Ochenbein chisel



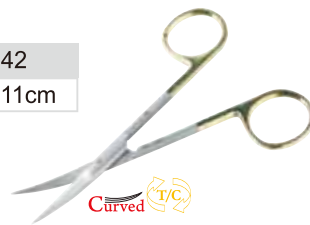
GR-392 Gracey curette 13-14



SC-345  
Lagrange 14cm



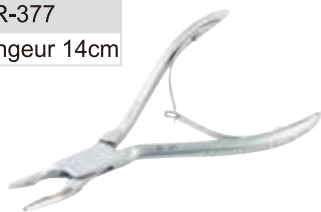
SC-342  
Iris T/C 11cm



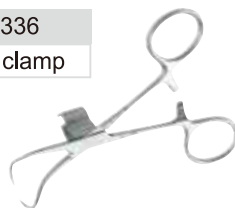
HS-339  
Hemostats



BR-377  
Bone rongeur 14cm



TC-336  
Towel clamp



ND-358  
Needle holder T/C 15cm



TF-372  
Adson 12cm(Saw type)



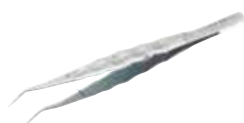
RC-409  
Minnesota retractor



POUCH-01  
Green pouch



TF-370-4  
Wide pincette



BW-428  
Bone well



GAG-416  
Castro caliper



SUC-02S  
B-type set

