



Crestal approach

MICA kit™ [REV.04]

(MegaGen Implant Crestal Approach Kit)

Ref.C
SGIS3000

Drill safely with confidence!



New
Express Bur

- Innovation of Samuel Lee's Internal Sinus Graft System REV.04
- Combined function of Diamond Drill and Reamer Drill



1. Cleansibility

The smooth surface makes cleaning easy and leaves no residues after cleaning.

2. Safety

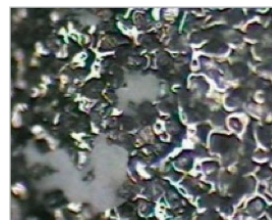
Stopper provides safe drilling without damaging the membrane even when visibility is poor.

3. Repeated use

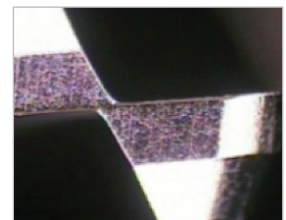
Bone chips can be easily removed without getting stuck, so continuous use is possible.

4. Cutting capability

Its excellent bone cutting capability eliminates the need to use the pointed or ASBE trephine burs.



Diamond Drill



Express Bur



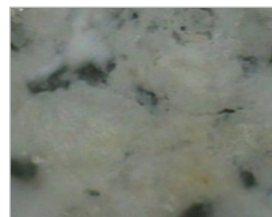
Egg shell test



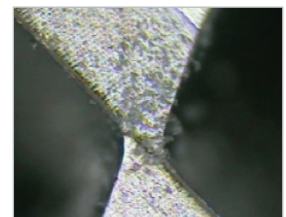
Diamond Drill



Express Bur



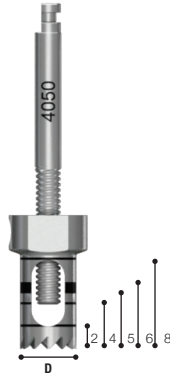
Diamond Drill



Express Bur

ASBE Trepine Bur - Scale 2:1

Diameter (D)	Length (mm)	Ref. C
Ø3.5/ Ø4.0	2/4/5/6/8 Marking	ASBESS34
Ø4.0/ Ø5.0		ASBESS45
Ø5.0/ Ø6.0		ASBESS56



Point Trepine Bur - Scale 2:1

Diameter (D)	Length (mm)	Ref. C
Ø3.5/ Ø4.0	2 Marking	SPTB3540
Ø4.0/ Ø5.0		SPTB4050
Ø5.0/ Ø6.0		SPTB5060



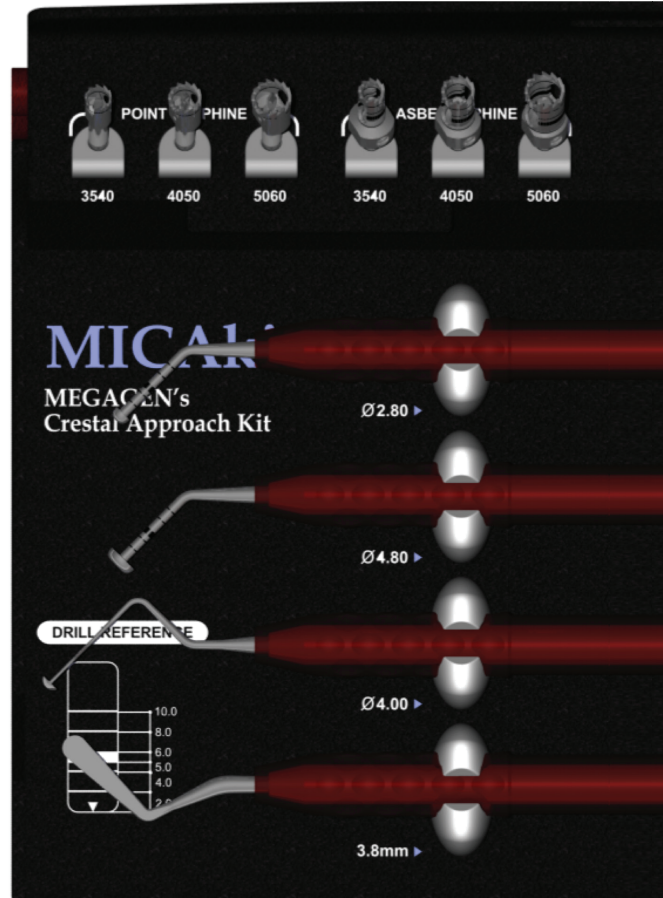
Mushroom - Scale 2:1

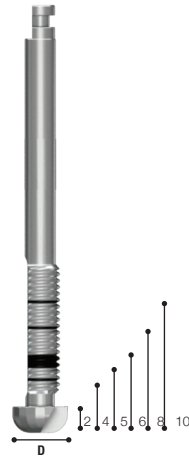
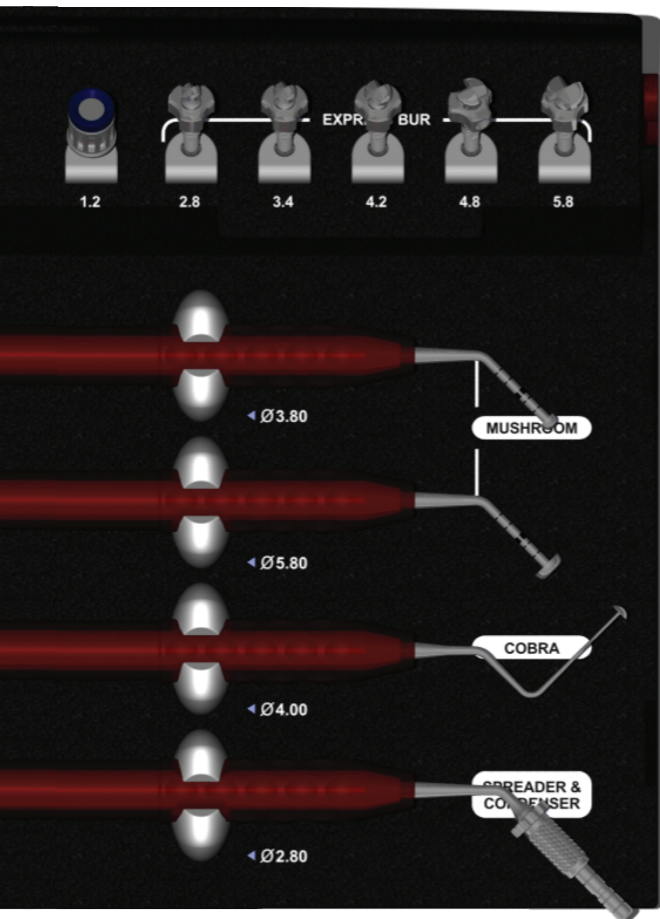
Diameter (D)	Length (mm)	Ref. C
Ø2.8/ Ø3.8	2/4/5/6/8/10 Marking	SMR2838
Ø4.8/ Ø5.8		SMR4858



Hand Driver - Scale 2:1

Type	Length (mm)	Ref. C
1.2 Hex	10	TCMHDS1200





Express Bur - Scale 2:1

Diameter (D)	Length (mm)	Ref. C
Ø2.8	2/4/5/6/8/10 Marking	EB28
Ø3.4		EB34
Ø4.2		EB42
Ø4.8		EB48
Ø5.8		EB58



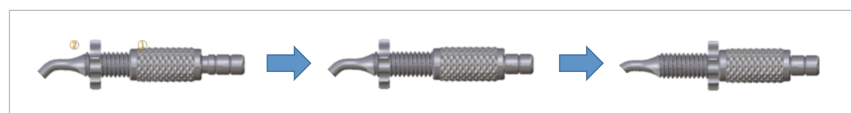
Cobra - Scale 1:1

Diameter (D)	Length (mm)	Ref. C
Ø2.8/ Ø3.8	-	SCB401

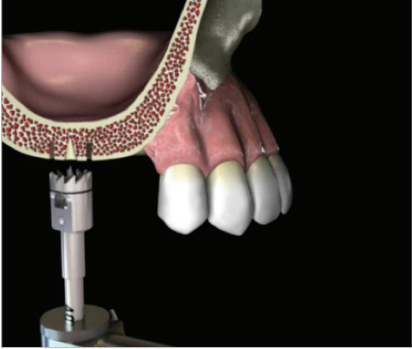


Spreader & Condenser - Scale 1:1

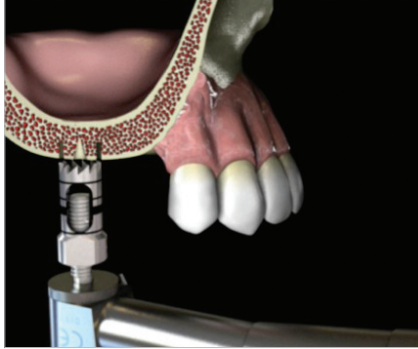
Diameter (D)	Length (mm)	Ref. C
Ø2.8/ Ø3.8	2/4/5/6/8/10 Marking	SSC3828



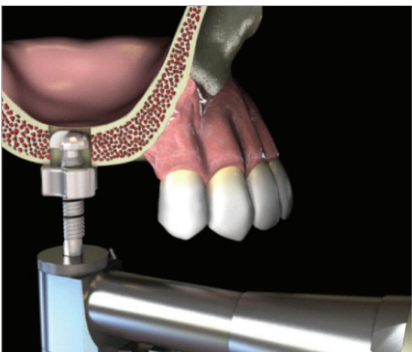
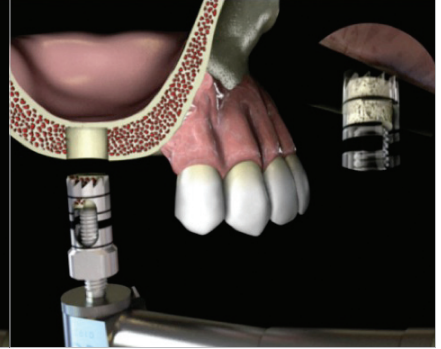
How to use – Crestal approach



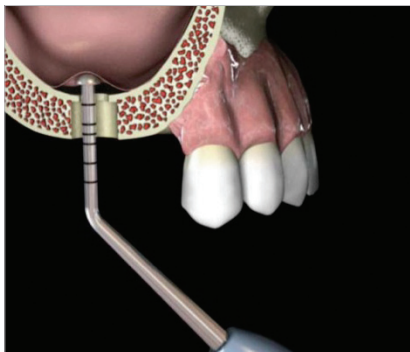
Drill with a Point trephine bur : 2mm at a time until the laser marking is reached.



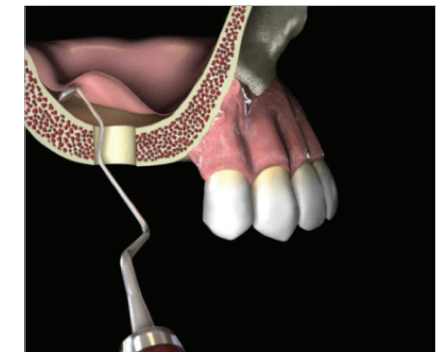
Drill with ASBE Trephine bur until 1-2mm of bone is left and break the bone by slightly tilting the bur. Remove the collected bone in the trephine by unscrewing the Mini Screw and rotating the shank.



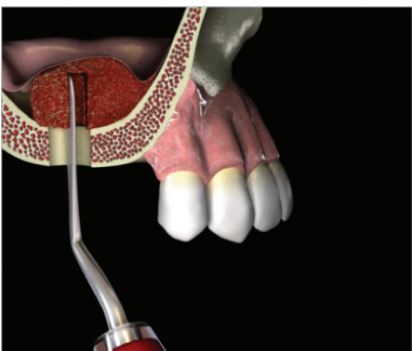
Adjust the position of the stopper to 1mm longer than the remaining bone height and drill with a Express bur 0.7-1mm smaller in size than the diameter of the fixture.



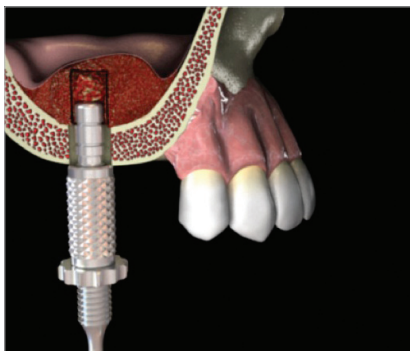
Use the Mushroom to lift the membrane through the hole made.



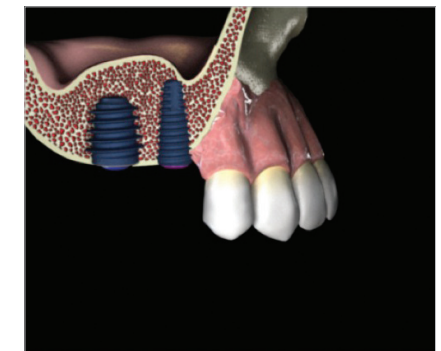
Lift membrane using the Cobra.



Graft the harvested bone and alloplastic material using the Spreader.

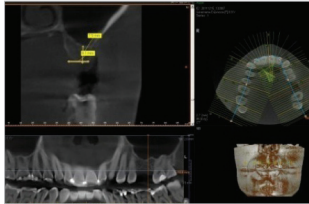


Adjust the stopper of Condenser and press the bone up to desired depth.



Insert fixtures into the holes.

Clinical case 1



Diagnosis with CT



Before surgery



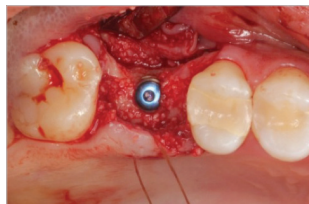
Flap reflection



ASBE Trepine Bur & Express Bur : expand the hole



Spreader & Condenser : bone graft



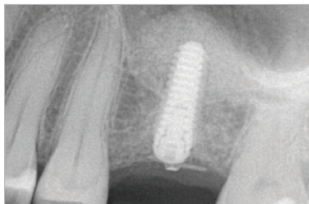
Place a fixture



Graft any buccal defect and place a collagen membrane



Primary closure

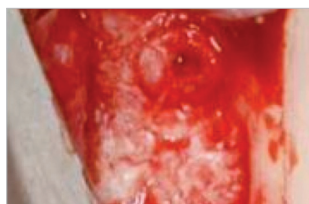


Postoperative Intra-oral radiograph

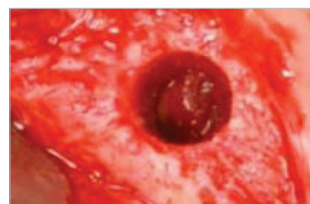
Clinical case 2



Intra-oral radiograph(Before)



Point Trepine Bur : initial drill



ASBE Trepine Bur : make a hole



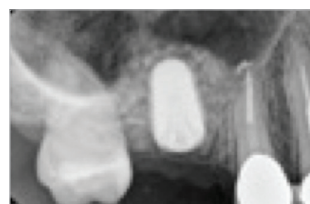
Express Bur : expand the hole



Spreader & Condenser : bone graft



Place a fixture



Intra-oral radiograph(After)

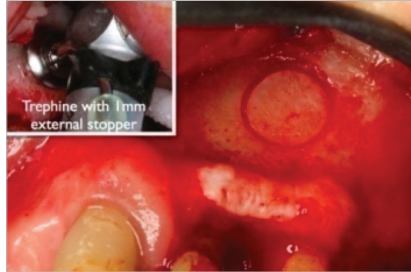


Postoperative Panoramic View

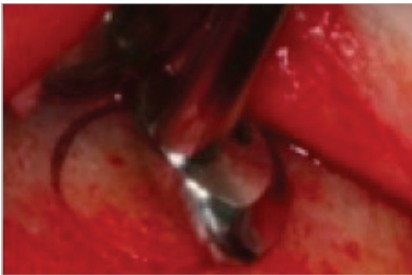
Clinical case



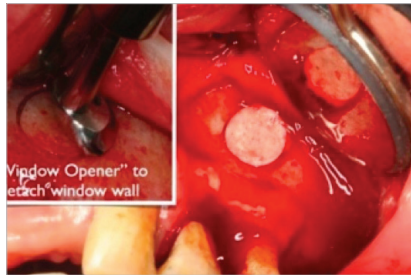
Trephine with 1mm external stopper



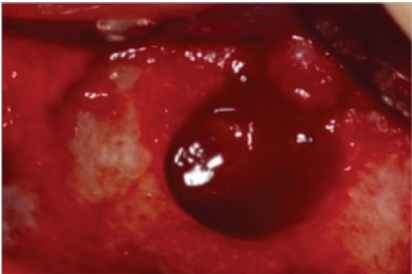
Point Trephine Bur : Initial drill



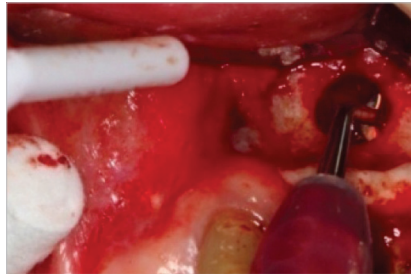
"Window Opener" to detach window wall



Window Opener : Remove the wall



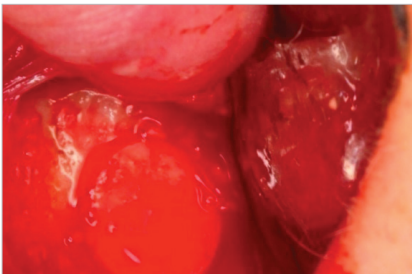
Elevator : Lift membrane.



Completely remove the remaining window wall with Express Bur



Graft : autogenous bone collected or alloplastic material



Previously detached window wall is tapped into the position to prevent soft tissue migration into the sinus bone grafting