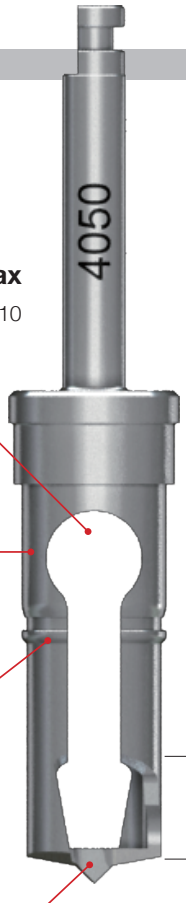
Auto-Max™

Autogeneous Bone Harvester

Auto-Max™

Description	Ref.C	
Auto-Max	AM2535	Ø2.5~Ø3.5/Stopper
	AM6070	Ø6.0~Ø7.0/Stopper
	AM4050	Ø4.0~Ø5.0/Stopper
	AM5060	Ø5.0~Ø6.0/Stopper

Design Concept



Auto-Max
Material : S42010

Stopper
- Material : Ti-6Al-4V(Titanium alloy)
- Coating : TiN Coating

Wide opening to permit easy removal of harvested bone

Unique sliding design for smooth lifting of Stopper with appropriate resistance as drilling progresses

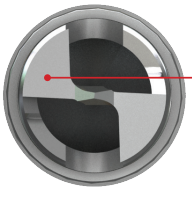
Designed to connect the Stopper securely.
A ledge to secure the position of Stopper at start

Center guide to prevent slippery operation during drilling

Designed for easy connection & disconnection

Optimally designed so that the bone will not be lost.

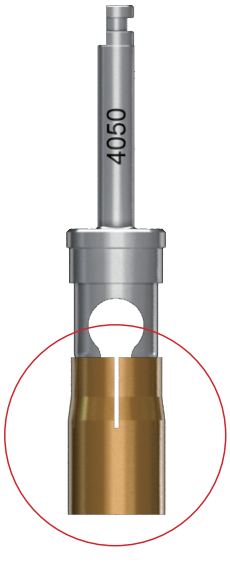
4mm Stop



Equipped with optimal blade design, bone can be harvested with low RPM

Easy and Fast Insertion

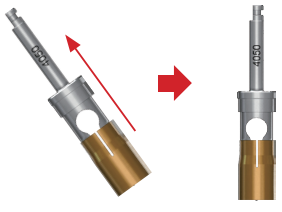
1) Sufficient cutting force can be obtained even at low RPM.
Autogenous bone can be harvested within 10 seconds!
2) Amount of bone harvested may be equivalent to the size of Auto-Max!
3)Enables quick, easy bone harvesting in a single procedure!
4) It can be cleaned thoroughly, as the Stopper is easily disconnectable!
5) V shaped opening completely prevents bone chips from splattering during drilling!
6) May be used in any type of bone with excellent durability!



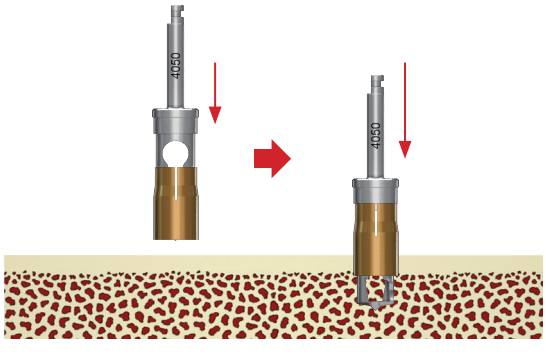
Connection status when start.

How to use

1. Connect an Auto-Max o the handpiece and position a stopper on the Auto-Max.



2. The Auto-Max should meet the bone surface perpendicularly. Press the handpiece to fix the sharp point of the drill on the bone and start drilling at about 500RPM with copious irrigation.



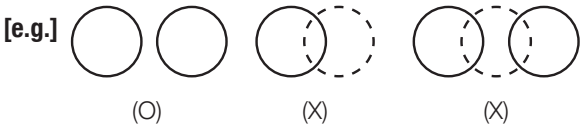
3. Do not pump during harvest. Pumping may scatter the harvested bone.

4. The Auto-Max will automatically stop advancing into the bone at a depth of 4mm.

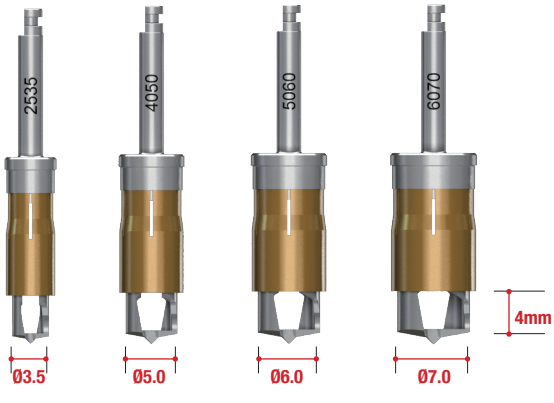
5. Disconnect the stopper from Auto-Max and collect particulated autogenous bone at in a sterilized tray.

Repeat steps 1~5 until the desired volume of bone is obtained.

6. Bone should be harvested from a new site each time, avoiding overlap with other harvest sites.



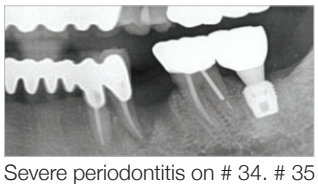
Products



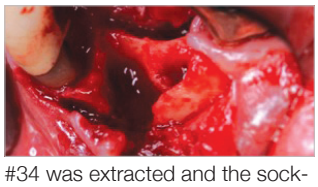
Package

Ref. Code	Diameter(Ø)	Ref. Code	Diameter(Ø)
AM2535	Ø3.5	AM5060	Ø6.0
AM4050	Ø5.0	AM6070	Ø7.0

Clinical case 1

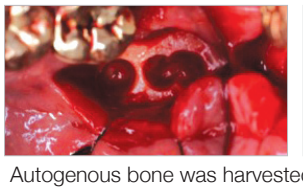
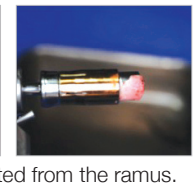



Severe periodontitis on # 34. # 35 was extracted 2 months before.

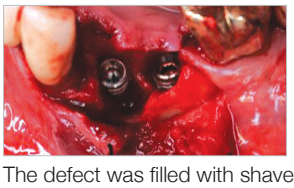


#34 was extracted and the socket was degranulated thoroughly.

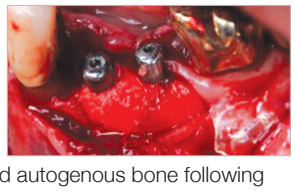
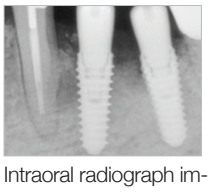
Auto-Max was prepared for bone harvesting.

Autogenous bone was harvested from the ramus.

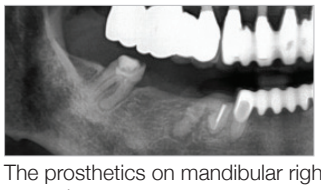


The defect was filled with shaved autogenous bone following implant placement.

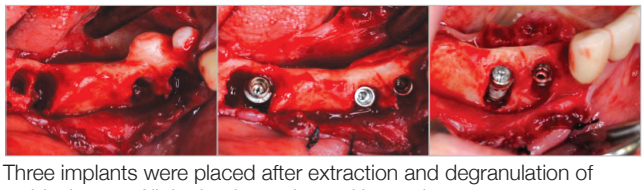



Intraoral radiograph immediate after surgery.

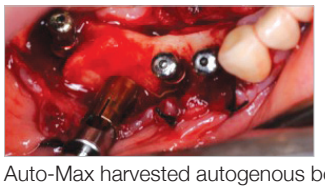
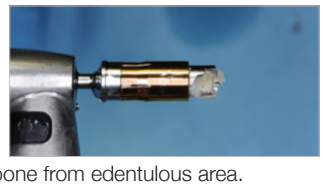
Clinical case 2




The prosthetics on mandibular right molar were broken with secondary caries.



Three implants were placed after extraction and degranulation of residual roots. All the implants showed bone defects.

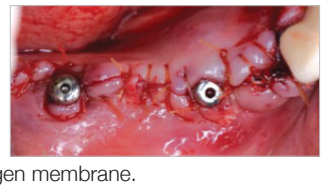




Auto-Max harvested autogenous bone from edentulous area.



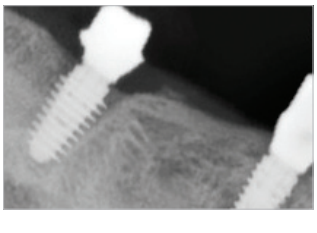
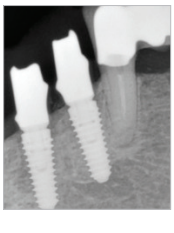
The autogenous bone was mixed with Mega-Oss bovine to increase volume of graft.





The defects were filled with the graft mixture and covered with a collagen membrane.

The panoramic radiograph taken immediately after surgery

Intraoral radiographs taken after delivery of customized abutments.