

# General Instrument

for Implant Surgeons

[ 2021 MCTBIO catalogue ]



**MCTBIO**



## General Instrument for Implant Surgeons

- 1P - Hydraulic Sinus Master
- 2P - Masai Drill Set III
- 3P - Masai Drill Set IV
- 4P - Magnetic Lateral Approach Drill Kit  
Sinus Master III
- 5P - Hydro Lift System
- 6P - Sinus Lift Set  
Sinus Lift Crestal Set  
Sinus Lift Crestal 4
- 7P - Split Master III
- 8P - Bone Expander  
Bone Expander Concave
- 9P - Bone Crestor  
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Osteotome-Thermos Set  
Osteotome-Gaori Set
- 10P - Saw & Saw Cover Set  
Split Chisel Set  
Mallet 20mm
- 11P - Fixture Remover Kit II & Screw Remover Kit II
- 12P - Fixture Remover Kit & Screw Remover Kit
- 13P - Narrow Guide Removal Kit  
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Implant Gauge  
Ridge Mapping Gauge  
Zygoma Gauge
- 15P - Exchangeable Root Elevator
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Elevator Set 2 (10ea)
- 18P - Luxator Set (10ea)
- 19P - Photo Contrast 1~3  
Bone Well (Small) & Bone Well (Large)  
Bone Well Small & Bone Well Large (with Lid)  
Titanium Bone Well
- 20p - Tissue Punch & Trepine Bur & Saw Mini Set
- 21p - M-Toque Driver Mini Kit  
Implant Guide Kit

HSM-01

# Hydraulic Sinus Master

For Lateral and Crestal Sinus Lifting

1. A lateral Maxillary window can be created efficiently with the Lateral Drills
2. For Crestal approach. First use the Crest drill with appropriate depth stop until the last 1mm
3. Finish the last 1mm with Crest Reamer with 1mm depth stop attached joined  
The Crest Reamer is made of diamond particles to avoid snagging the membrane
4. Use sinus lift instruments to lift up the sinus membrane



Hydraulic Sinus Master

HSM-01

## The Components

### Crester Drill



Ø2.0 CD-2.0  
Ø2.5 CD-2.5  
Ø2.8 CD-2.8  
Ø3.3 CD-3.3  
Ø3.8 CD-3.8  
Ø4.2 CD-4.2

### Hydraulic Crester Reamer



HCR-2.8 HCR-3.3 HCR-3.8 HCR-4.2

### Lateral



Drill 1mm SMK2-03-6.5-1  
Drill 2mm SMK2-03-6.5-2  
Reamer 2mm SMK2-03-2  
Reamer 3mm SMK2-03-3

### Bone Carrier



BNC-03

### Stopper



1mm MAS-02-01  
2mm MAS-02-02  
3mm MAS-02-03  
4mm MAS-02-04



5mm MAS-02-05  
6mm MAS-02-06  
7mm MAS-02-07  
8mm MAS-02-08



Sinus Lift 1 YSL-01

Sinus Lift 2 YSL-02

Sinus Lift 3 YSL-03

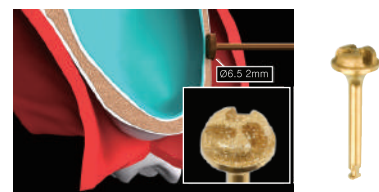
Sinus Lift 4 YSL-04

Sinus Bone Packer & Lifter 5 SPL-05

### Hydraulic Crester Drill



### Lateral Drill



MAS3-01

# Masai Drill Set III

## Crestal Approach



## Lateral Approach

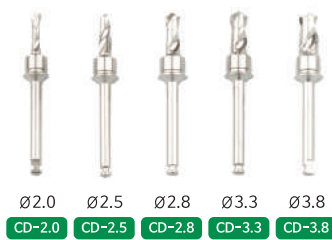


Masai Drill 3

MAS3-01

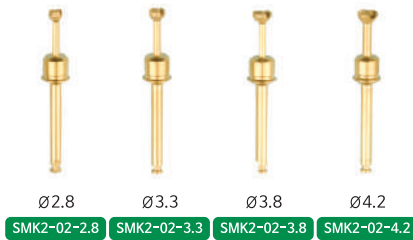
## The Components

### Crester Drill



Ø2.0 CD-2.0 Ø2.5 CD-2.5 Ø2.8 CD-2.8 Ø3.3 CD-3.3 Ø3.8 CD-3.8 Ø4.2 CD-4.2

### Crester Reamer



Ø2.8 SMK2-02-2.8 Ø3.3 SMK2-02-3.3 Ø3.8 SMK2-02-3.8 Ø4.2 SMK2-02-4.2

### Window Magnetic Drill



Ø6.5 1mm WID-01 Ø6.5 2mm WID-02 Ø6.5 1mm WMD-01 Ø6.5 2mm WMD-02 Remover RMV-01

### Aqua Tip

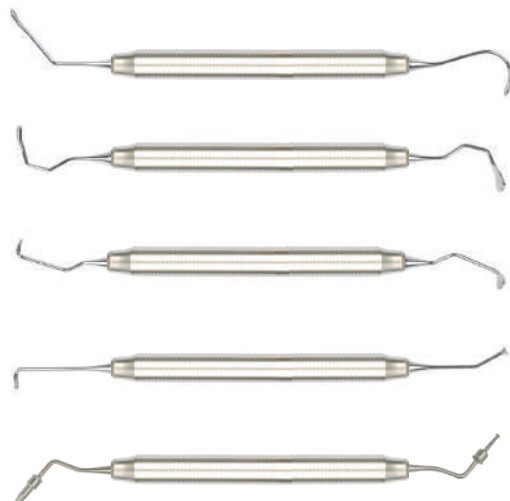


Ø2.8 WSL-01-2.8 Ø3.0 WSL-01-3.0 Ø3.3 WSL-01-3.3 Ø3.5 WSL-01-3.5 Ø3.8 WSL-01-3.8 Ø4.0 WSL-01-4.0 Ø4.2 WSL-01-4.2 Ø4.5 WSL-01-4.5

### Stopper



1mm MAS-02-01 2mm MAS-02-02 3mm MAS-02-03 4mm MAS-02-04 5mm MAS-02-05 6mm MAS-02-06 7mm MAS-02-07 8mm MAS-02-08



Sinus Lift 1 YSL-01

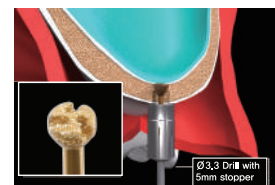
Sinus Lift 2 YSL-02

Sinus Lift 3 YSL-03

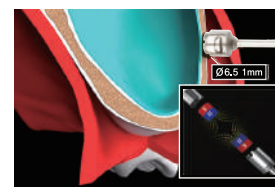
Sinus Lift 4 YSL-04

Sinus Bone Packer & Lifter 5 SPL-05

### Crester Drill



### Magnetic Drill



MAS4-01

# Masai Drill Set IV

## Crestal Approach



## Lateral Approach

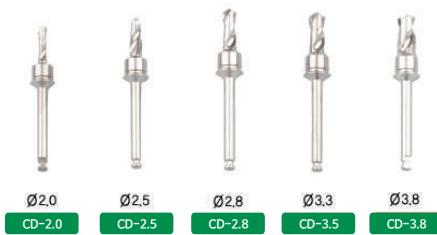


Masai Drill 4

MAS4-01

## The Components

### Crester Drill



### Window Magnetic Drill



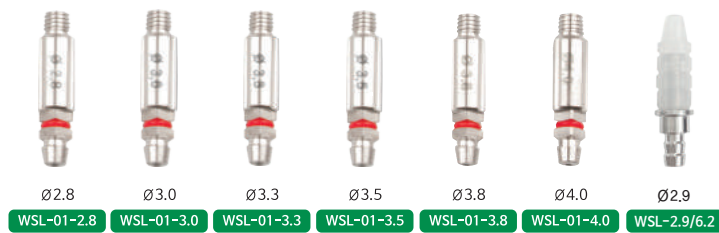
### Crester Magnetic Reamer



### Stopper



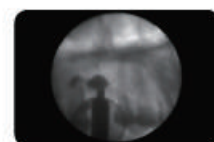
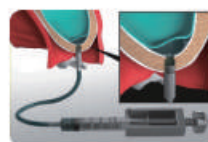
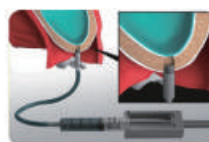
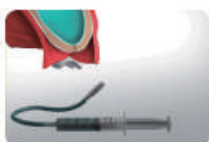
### Aqua Tip



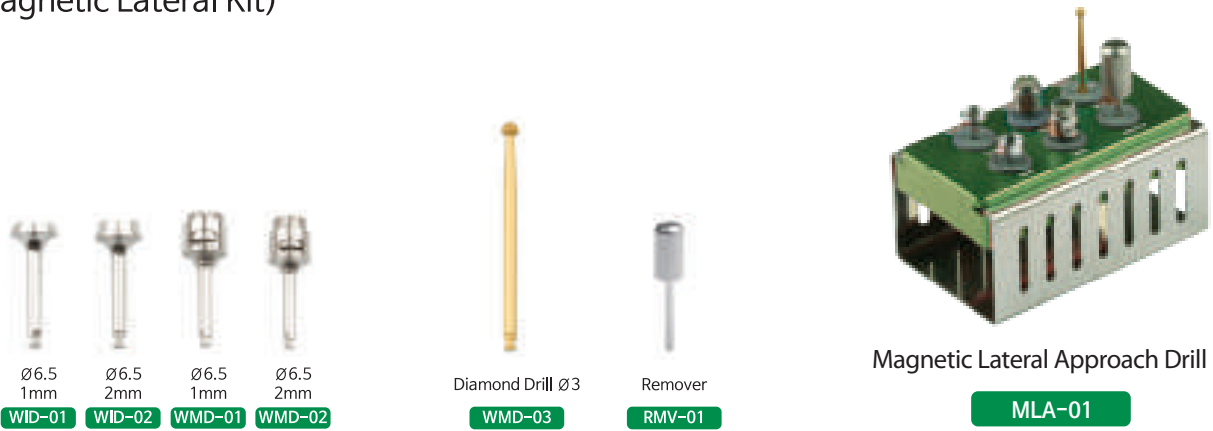
### Trimmer



## Direction for Use



# MLA-01 Magnetic Lateral Approach Drill Kit (Magnetic Lateral Kit)



Ø6.5 1mm WID-01  
Ø6.5 2mm WID-02  
Ø6.5 1mm WMD-01  
Ø6.5 2mm WMD-02

Diamond Drill Ø3 WMD-03

Remover RMV-01

Magnetic Lateral Approach Drill Kit  
MLA-01

# SMK3-01 Sinus Master III For Lateral and Crestal Sinus Lifting

1. A lateral Maxillary window can be created efficiently with the Lateral Drills
2. For Crestal approach. First use the Crest drill with appropriate depth stop until the last 1mm
3. Finish the last 1mm with Crest Reamer with 1mm depth stop attached joined  
The Crest Reamer is made of diamond particles to avoid snagging the membrane
4. Use sinus lift instruments to lift up the sinus membrane



Sinus Master 3  
SMK3-01

### Crester Drill



Ø2.0 CD-2.0  
Ø2.5 CD-2.5  
Ø2.8 CD-2.8  
Ø3.3 CD-3.3  
Ø3.8 CD-3.8  
Ø4.2 CD-4.2

### Crester Reamer



Ø2.8 SMK2-02-2.8  
Ø3.3 SMK2-02-3.3  
Ø3.8 SMK2-02-3.8  
Ø4.2 SMK2-02-4.2

### Lateral



Drill 1mm SMK2-03-6.5-1  
Drill 2mm SMK2-03-6.5-2  
Reamer 2mm SMK2-03-2  
Reamer 3mm SMK2-03-3

### Stopper



1mm MAS-02-01  
2mm MAS-02-02  
3mm MAS-02-03  
4mm MAS-02-04  
5mm MAS-02-05  
6mm MAS-02-06  
7mm MAS-02-07  
8mm MAS-02-08

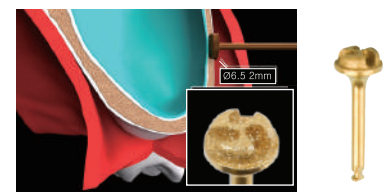


Sinus Lift 1 YSL-01  
Sinus Lift 2 YSL-02  
Sinus Lift 3 YSL-03  
Sinus Lift 4 YSL-04  
Sinus Bone Packer & Lifter 5 SPL-05

### Crester Drill



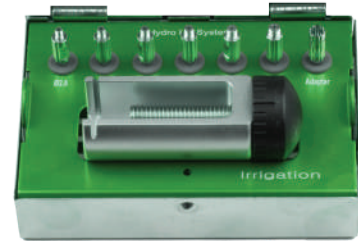
### Lateral Drill



# WSL-01 Hydro Lift System

(Hydraulic Kit)

1. Lifting the sinus membrane with hydrolic pressure thru crestal approach
2. Use the proper size Aqua tip for the osteotomy site and push the syringe with MCTBIO Patented aqua syringe holder by turning the black knob This will allow the continuous and steady pressure to safely lift the membrane without tearing up



Hydro Lift System

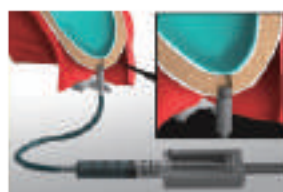
WSL-01

## Crestal Approach



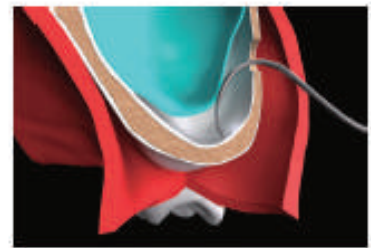
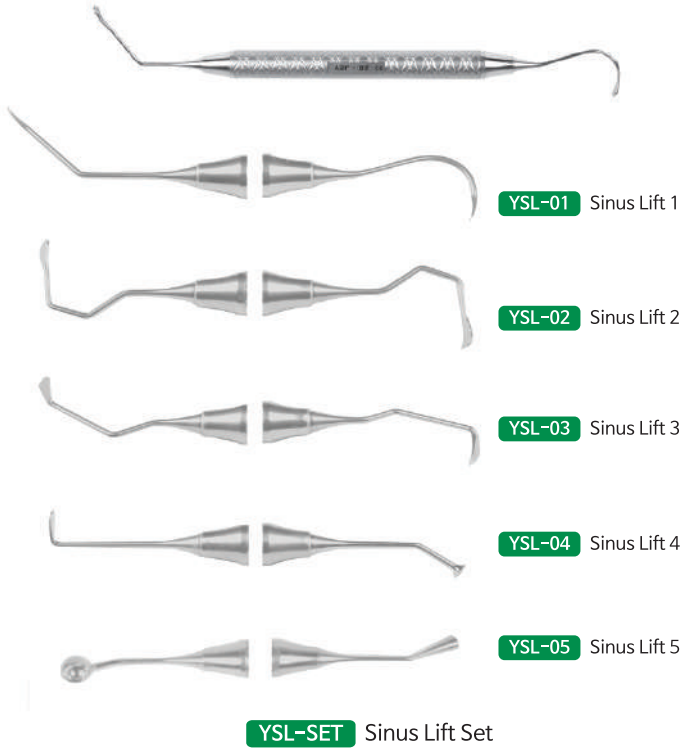
## Aqua Tip

1. The sinus membrane can easily be lifted by hydrostatic pressure
2. Aqua tip sizes (2.8 3.0 3.3 3.5 3.8 4.0)
3. Compatible with most sinus elevation drills
4. Infection free membrane elevation due to use of a disposable syringe
5. Because crestal approach is possible (minimum 3mm of residual bone), time and cost is reduced
6. Bone can be easily be inserted

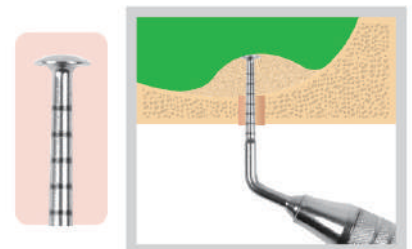


# Sinus Lift & Sinus Lift Crestal

## Sinus Lift



## Sinus Lift Crestal





SSM-03

# Split Master 3

(Split Master Kit)

The Split master II contains specially designed expander screws and spreaders that allow for controlled ridge split while condensing soft cancellous bone

1. Can be used for sinus lift (Crestal approach)
2. Can be used to push the bone grafting



Split Master 3

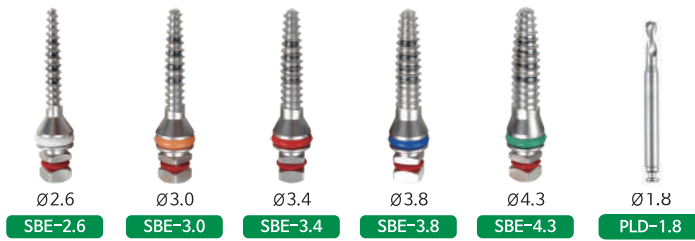
SSM-03

## The Components

### Bone Expander/Pilot Drill



Bone Expander



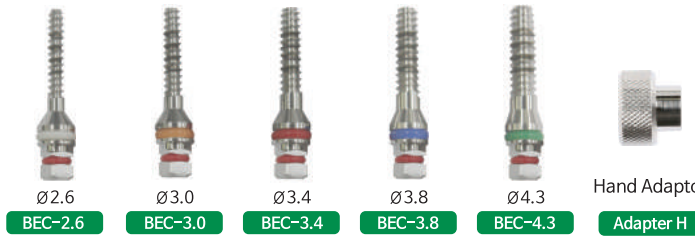
### Spreader Screw



BCT-01-01



Bone Expander Concave



Hand Adaptor

Adapter H



Spreader



Spreader Screw

### Bone Carrier



BNC-03

### Split Chisel



SPC-02 4mm Straight



SPC-03 4mm Curved



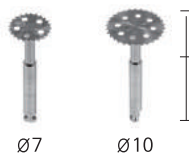
SPC-04 6mm Straight



SPC-05 6mm Curved

SPC-01 Split Chisel Set

### SAW



Ø7

Ø10

22mm

SAW-01

SAW-02



SS-BAR



Wrench

RCW-01

SBE-01

# Bone Expander

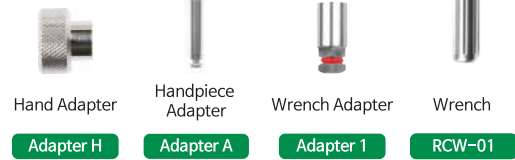
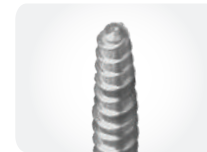
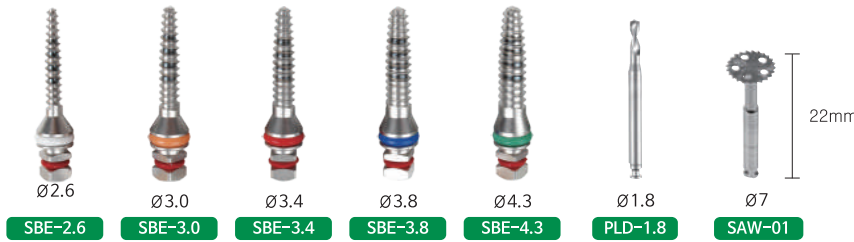
Is used for single implants to expand where the bone is narrow width or improve weak bone

1. Measure the width of bone
2. Prepare a pilot osteotomy with the pilot Drill
3. Widen the osteotomy with the appropriate Bone Expander
4. Use extension tool for difficult access between long adjacent teeth



Bone Expander

SBE-01



BEC-01

# Bone Expander Concave

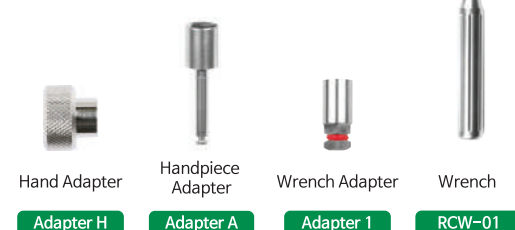
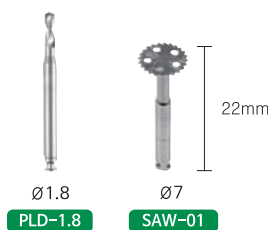
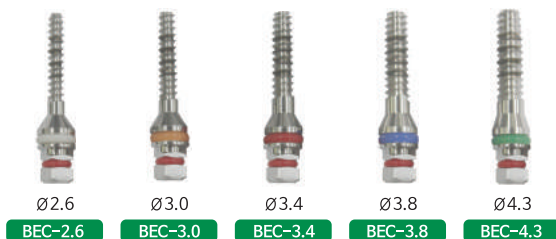
Is used for single implants to expand where the bone is narrow width or improve weak bone

1. Can be used for sinus lift (Crestal approach)
2. Can be used to push the bone grafting
3. Measure the width of bone
4. Prepare a pilot osteotomy with the pilot Drill
5. Widen the osteotomy with the appropriate Bone Expander
6. Use extension tool for difficult access between long adjacent teeth



Bone Expander Concave

BEC-01



# Bone Creater Kit

Maintains the initial stability of implant and increases success rate of implant by minimizing the stretch of the ridge when multi-implanting in narrow bone

1. Prepare along the ridge to the desired length using the saw
2. Deepen the saw cut with the chisels to make space for Spreader
3. Insert 2 or more Spreaders as required
4. Expand the bone gradually by adjusting each spreader screw little by little



Bone Creater Kit

BCT-01



Spreader + Spreader Screw

BCT-01-01

Spreader Screw

BCT-01-02

Spreader

BCT-01-03



Ø7

SAW-01

Ø10

SAW-02

22mm

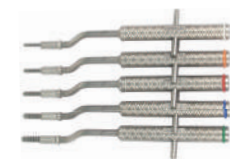
SS-BAR

# Osteotome-Gaori Set



## Osteotome - Rigid

Rigid 01	Rigid 02	Rigid 03	Rigid 04	Rigid 05
OSR-01	OSR-02	OSR-03	OSR-04	OSR-05
2.5	3.0	3.5	4.0	4.5

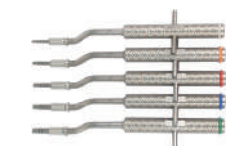


OSR-SET Osteotome Rigid Set



## Osteotome - Thermos

Thermos 01	Thermos 02	Thermos 03	Thermos 04	Thermos 05
OST-01	OST-02	OST-03	OST-04	OST-05
2.2 ~ 2.7	2.7 ~ 3.2	3.2 ~ 3.7	3.7 ~ 4.2	4.2 ~ 4.7

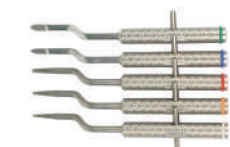


OST-SET Osteotome Thermos Set



## Osteotome - Gaori

Gaori - 01	Gaori - 02	Gaori - 03	Gaori - 04	Gaori - 05
OSG - 01	OSG - 02	OSG - 03	OSG - 04	OSG - 05
2.5	3.0	3.5	4.0	4.5



OSG-SET Osteotome Gaori Set

# Saw & Saw Cover Set

(Saw Protection set )



Ø8

SAW-03



Ø10

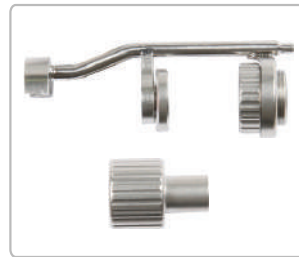
SAW-04

32mm



Saw Cover Set II

SAW-SET2



SAW-COVER 2

SPC-01

# Split Chisel Set

Split Chisel

SPC-01



SPC-02 4mm Straight



SPC-03 4mm Curved



SPC-04 6mm Straight



SPC-05 6mm Curved

MAL-01

# Mallet 20mm



Mallet

MAL-01

# Fixture & Screw Remover Kit II

(Rescue Master Kit)



Fixture & Screw  
Removal Master

FSRK-02



Fixture & Screw Removal Master  
(Rescue Master Kit)

## The Components

### Fixture Removal Drill



Mini Mini Regular Wide Adapter

FRD-01 FRD-01 FRD-02 FRD-03 Adapter 1

### Screw Removal Drill & Tap



SRD-01 SRD-01 SRT-01 SRT-02 Adapter

SRD-01 SRD-01 SRT-01 SRT-02 SRA-01

### Screw Removal Guide



3i Internal NP 3i Internal RP External mini External Regular ITI Octa



Nobel Replace Tri-Lobe RP Nobel Replace Tri-Lobe WP Nobel Replace Tri-Lobe NP Zimmer TSV 3.7/4.7 Zimmer TSV 5.7

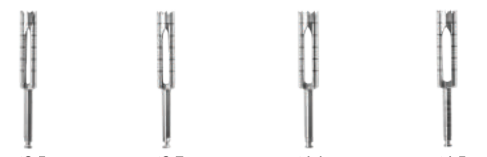


Astra Hex Noble Active NP Noble Active RP



FRW-01

### Fixture Removal Trepine Bur



Ø3.5 Ø3.7 Ø4.1 Ø4.5

FRT-3.7/4.4 FRT-3.9/4.6 FRT-4.3/5.0 FRT-4.7/5.4



Ø5.0 Ø5.5 Ø6.0

FRT-5.2/5.9 FRT-5.7/6.4 FRT-6.2/6.9



SRG-H



Adapter H

FRK-01

SRK-01

# Fixture & Screw Remover Kit

(Rescue Mini Kit)

## Fixture Removal

1. An excellent combination of Fixture Removers and Trepine Burs for all eventualities
2. Remover bur removes implants without bone loss
3. One Remover fits all sizes of implants
4. Strong and durable



Fixture Removal Kit

FRK-01

## Screw Removal

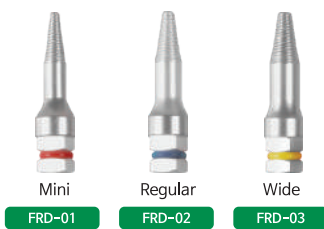
1. Select the appropriate "Certain Guide" for the damaged abutment
2. Attach the "Certain Guide" using the Guide Holder (SRG-H)
3. In Reverse, use The Screw Remover Drill to prepare a channel in the broken screw. The "Certain Guide" will ensure the channel is in the correct place
4. Also in Reverse, use the Tap drill to remove the broken screw



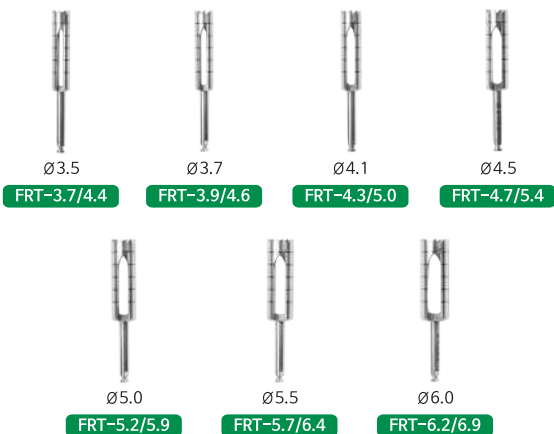
Screw Removal Kit

SRK-01

### Fixture Removal Drill



### Fixture Removal Trepine Bur



### Screw Removal Drill & Tap



### Screw Removal Guide



NGRK-01

# Narrow Guide Removal Kit

## Screw Removal

1. Select the appropriate "Certain Guide" for the damaged abutment
2. Attach the "Certain Guide" using the Guide Holder (SRG-H)
3. In Reverse, use The Screw Remover Drill to prepare a channel in the broken screw. The "Certain Guide" will ensure the channel is in the correct place
4. Also in Reverse, use the Tap drill to remove the broken screw



Narrow Guide Removal Kit

NGRK-01

## The Components

### Screw Removal Guide



### Screw Removal Drill & Tap



LDS-01

# Lindeman Drill Set



Lindeman Drill Set

LDS-01

## The Components

### Stopper



### Lindeman Drill Stopper



### Lindeman Drill

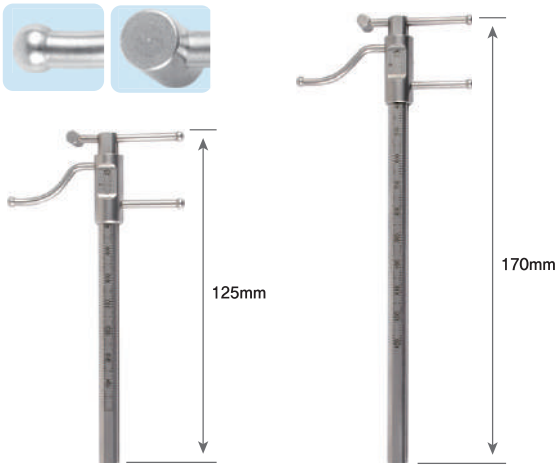


### Trimmer



## Venus & Apollo Gauge

Used for accurate measurement of edentulous patients  
Features comfortable rounded tips that avoid patient anxiety

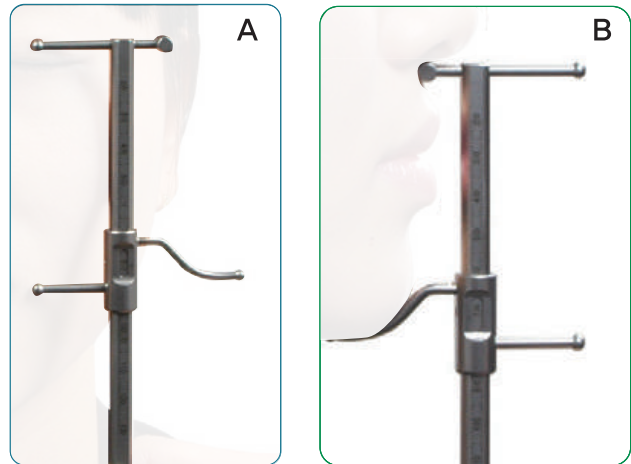


Venus Gauge

GAU-01

Apollo Gauge

GAU-02



The difference between lengths A and B can determine the thickness of the bite block and tooth sizes

## Implant Gauge

Useful Gauge to help space and measure length of implants



Implant Gauge

GAU-03

## Ridge Mapping Gauge

Measures bone thickness without puncturing tissue

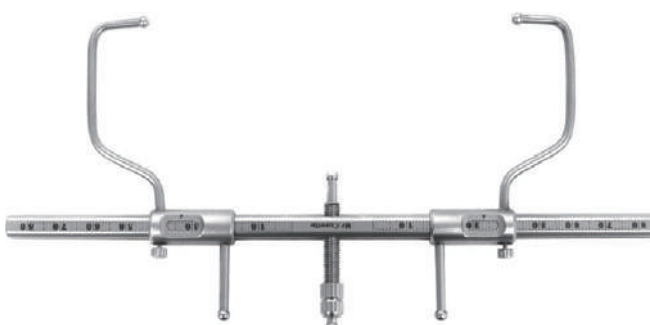


It can measure bone thickness without tissue puncturing. Graduated on the facig side for ease of reading.

GAU-04 Ridge Mapping Gauge

## Zygoma Gauge

Measure the differences between left and right side of face from the center



GAU-06 Zygoma Gauge



# Exchangeable Root Elevator (RTE Set)

1. The Spiral Silicone Handle prevents long time use fatigue
2. Replacement tips make it very economical by to use
3. Set Comprises of 3 tip, 3 Silicone handles and a wrench

RTE-SET

## Root Elevator Set

Handle



RTE-01-04

Straight Tip



RTE-01-01

+

10° Curveved Tip



RTE-01-02

+

20° Curveved Tip



RTE-01-03

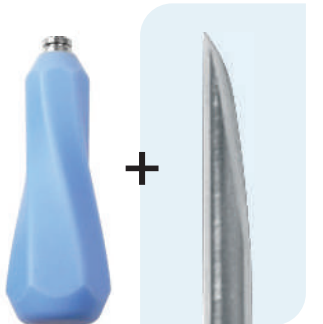


Wrench

RTE-01-05

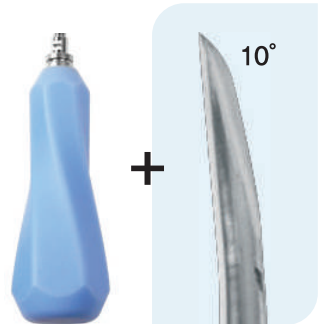


RTE-01



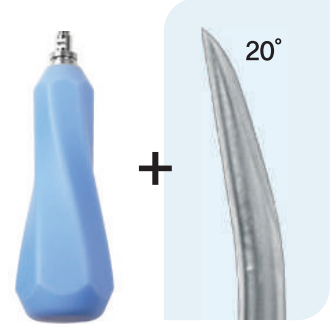
Handle Straight Tip + 3ea

RTE-02



Handle 10° Curveved Tip + 3ea

RTE-03

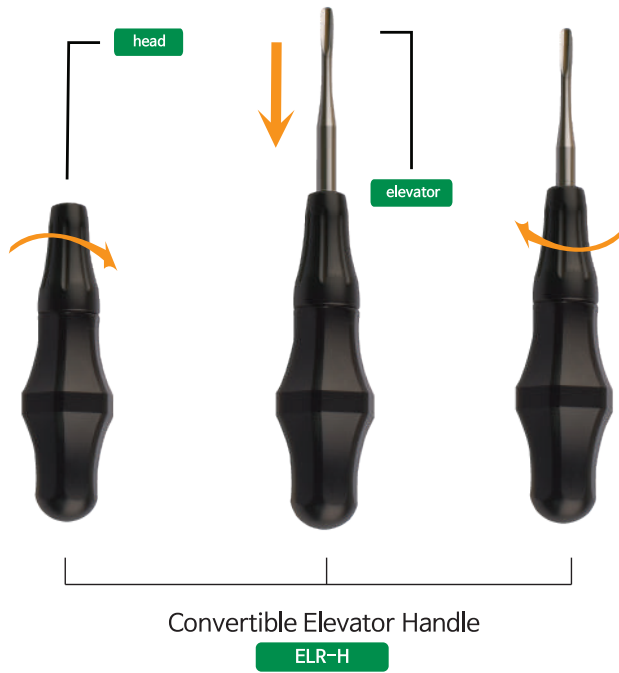


Handle 20° Curveved Tip + 3ea

ELR-SET

# Convertible Elevator System

1. Turn the head to the right to loosen it and exchange the elevator
2. Insert the desired elevator into the loosened head  
Press firmly to make a clicking sound
3. Turn the head to the left and insert it tightly



Sawgedged elevator



Convertible Elevator Set

ELR-SET

## Convertible Elevator / Luxator / Root Picker



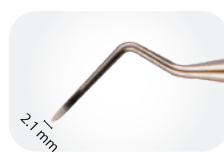
ELR-01

Root Picker (Left)



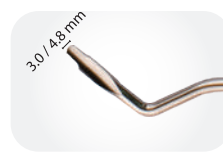
ELR-02

Root Picker (Straight)



ELR-03

Root Picker (Right)



ELR-04

Luxator (Left)



ELR-05

Luxator (Straight)



ELR-06

Luxator (Right)



ELR-07

Luxator (Straight)



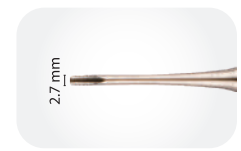
ELR-08

Luxator (Straight)



ELR-09

Elevator



ELR-10

Elevator



ELR-11

Elevator



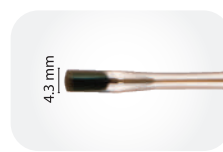
ELR-12

Elevator



ELR-13

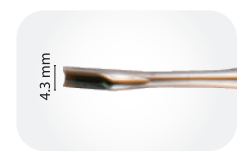
Elevator



ELR-14

Elevator

- For Upper and lower Canine



ELR-15

Elevator

- For Upper and lower Canine

# Elevator Set

## MEA-SET1 Elevator Set 1 (10ea)



2.7mm | **MEA-01** Elevator A1  
 - Width 2.7mm  
 - For deep tooth roots



3.1mm | **MEA-02** Elevator A2  
 - Width 3.1mm  
 - For deep tooth roots



3.2mm | **MEA-03** Elevator A3  
 - Width 3.2mm  
 - Apex and small tooth in Upper Posterior area



3.9mm | **MEA-04** Elevator A4  
 - Width 3.9mm  
 - For Upper and lower Posterior and roots



4.0mm | **MEA-05** Elevator A5  
 - Width 4.0mm  
 - For Upper and lower Posterior and roots



4.9mm | **MEA-06** Elevator A6  
 - Width 4.9mm  
 - For Upper and lower Posterior and roots



2.7mm | **MEA-07** Elevator A7  
 - Width 2.7mm  
 - For deep tooth roots  
 Curved, Backward



3.5mm | **MEA-08** Elevator A8  
 - Width 3.5mm  
 - Apex and small tooth in Upper Posterior area  
 Curved, Backward



4.3mm | **MEA-09** Elevator A9  
 - Width 4.3mm  
 - For Upper and lower Canine



4.3mm | **MEA-10** Elevator A10  
 - Width 4.3mm  
 - For Upper and lower Canine

## MEA-SET2 Elevator Set 2 (10ea)



3.0mm | **MEB-01** Elevator B1  
 - Width 3.0mm  
 - Use for fractured tooth during extraction or to remove deep tooth roots



3.0mm | **MEB-02** Elevator B2  
 - Width 3.0mm  
 - Use for fractured tooth during extraction or to remove deep tooth roots



3.0mm | **MEC-01** Elevator C1  
 - Width 3.0mm  
 - Use for fractured tooth during extraction or to remove deep tooth roots



3.0mm | **MEC-02** Elevator C2  
 - Width 3.0mm  
 - Use for fractured tooth during extraction or to remove deep tooth roots



2.1mm | **MED-01** Elevator D1



3.4mm | **MEE-01** Elevator E1



2.1mm | **MED-02** Elevator D2



3.4mm | **MEE-02** Elevator E2



2.1mm | **MED-03** Elevator D3



3.4mm | **MEE-03** Elevator E3

## Luxator (Thin Blade)

By cutting the periodontal ligament, easily dislocate from the root  
 Advantage in saving form of a skeleton and minimizing the damage on the tissue

### MLA-SET1 Luxator Set (10ea)



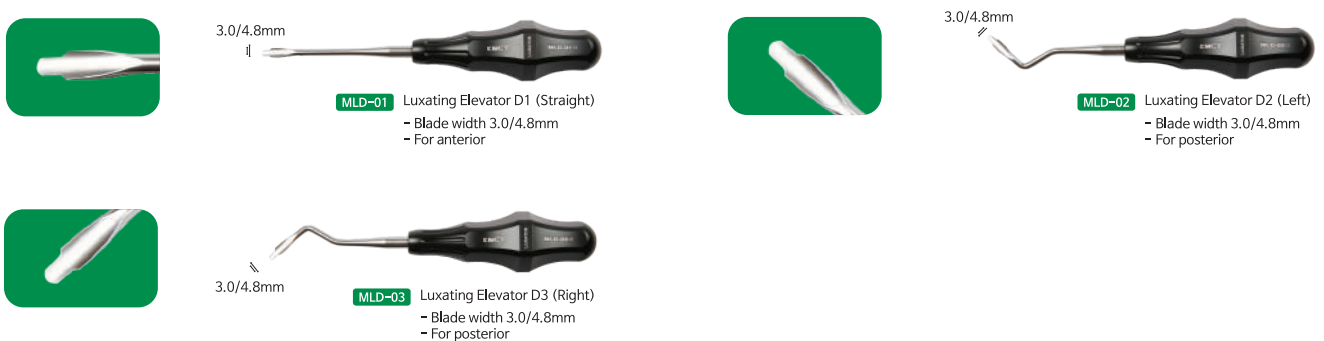
## Luxator (Bold Blade)

By cutting the periodontal ligament, easily dislocate from the root  
 Advantage in saving form of a skeleton and minimizing the damage on the tissue



## Luxator (Special Blade)

Due to narrow end of the blade tip, suit for using on deep tooth or severe tooth root decay



# Photo Contrast

Provides a uniform, back, background that improves photograph quality



**PTC-01** Photo Contrast 1



**PTC-02** Photo Contrast 2



**PTC-03** Photo Contrast 3

# Bone Well



Bone Well (Small)

**BOW-01**



Bone Well (Large)

**BOW-02**



Bone Well (Lid-Small)

**BOW-03**



Bone Well (Lid-Large)

**BOW-04**

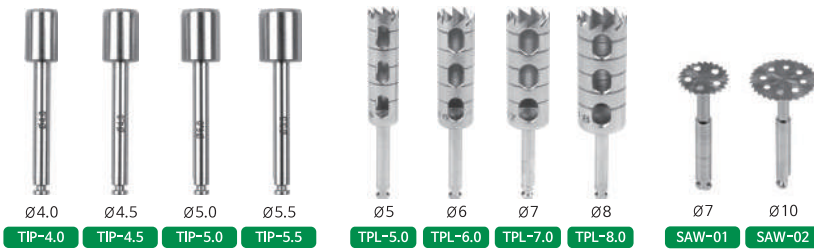


Titanium Bone Well

**TTB-01**

TAT-02

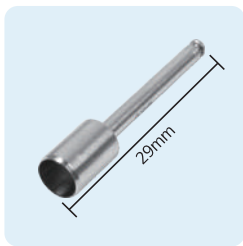
# Tissue Punch & Trephine Bur & Saw Mini Set



Tissue Punch & Trephine Bur & Saw Set

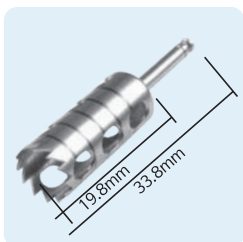
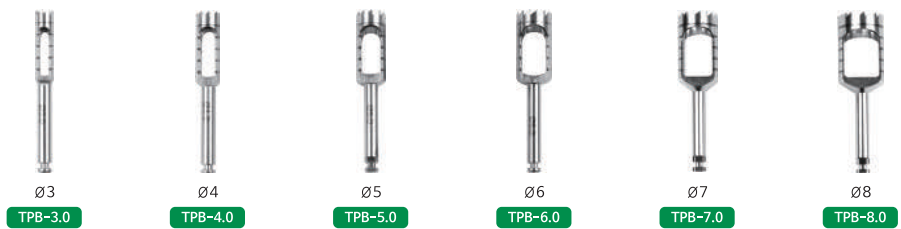
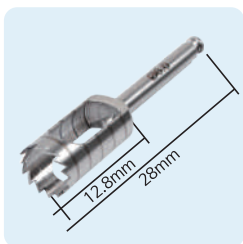
TAT-02

## Tissue Punch



<Special Type>

## Trephine Bur



<Long Type>



MTD-02

# M-Torque Driver Mini Kit

For easier treatment when the distance between antaronist teeth is short.  
 Simple design with precise torque value (10-40n/cm) Easy adjustment of torque value by simple maneuver Strong durability against heat  
 Varsity of drivers for different kind implant



IGK-01

# Implant Guide Kit

Short time for implant The application of all charge drills  
 Strong durability against heat  
 Simple to use multiple impalant

Implant Guide Kit  
 IGK-01



Guide


Post

Drill



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