

General Instrument

for Implant Surgeons

[2021 MCTBIO catalogue]

The lower half of the page is filled with a complex, repeating geometric pattern. It consists of various shades of green (from light to dark) forming interlocking shapes that resemble stylized letters or abstract architectural elements. The pattern is dense and covers the entire bottom section of the page.



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
Osteotome-Rigid Set
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
Lindeman Drill Set
- 14P - Venus Gauge & Apollo Gauge
Implant Gauge
Ridge Mapping Gauge
Zygoma Gauge
- 15P - Exchangeable Root Elevator
- 16P - Convertible Elevator Set
- 17P - Elevator Set 1 (10ea)
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 & Trephine 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 1 mm
3. Finish the last 1 mm with Crest Reamer with 1 mm 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 Ø2.5 Ø2.8 Ø3.3 Ø3.8 Ø4.2
CD-2.0 CD-2.5 CD-2.8 CD-3.3 CD-3.8 CD-4.2

Hydraulic Crester Reamer



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

Lateral



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

Bone Carrier



BNC-03

Stopper



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



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



Sinus Lift 1
YSL-01

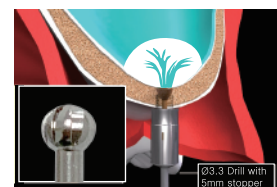
Sinus Lift 2
YSL-02

Sinus Lift 3
YSL-03

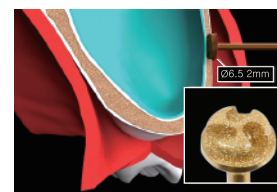
Sinus Lift 4
YSL-04

Sinus Bone
Packer & Lifter 5
SPL-05

Hydraulic Crester Drill



Lateral Drill



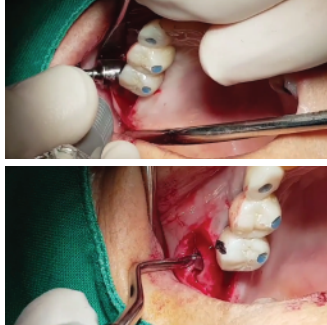
MAS3-01

Masai Drill Set III

Crestal Approach



Lateral Approach

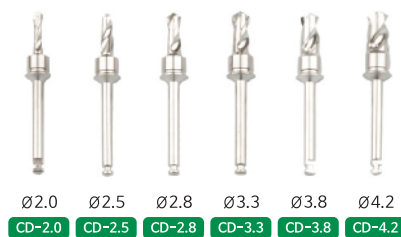


Masai Drill 3

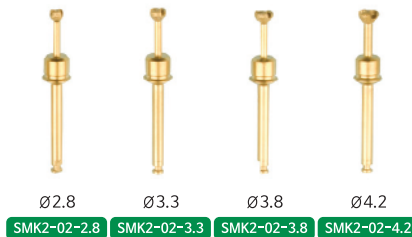
MAS3-01

The Components

Crester Drill



Crester Reamer



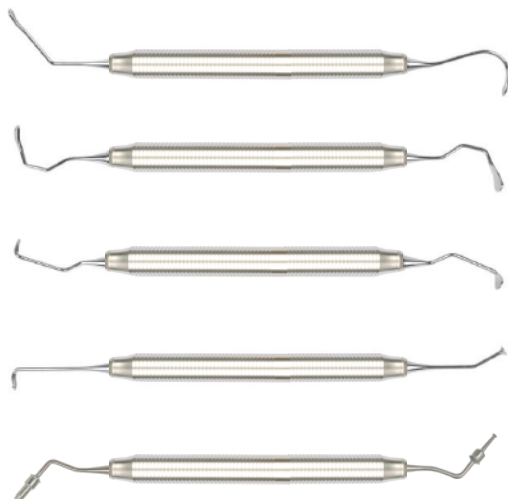
Window Magnetic Drill



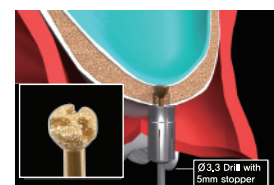
Aqua Tip



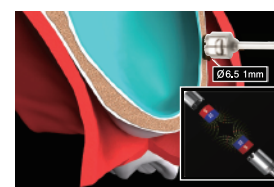
Stopper

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

Crester Drill



Magnetic Drill



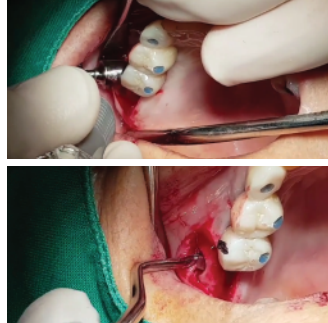
MAS4-01

Masai Drill Set IV

Crestal Approach



Lateral Approach

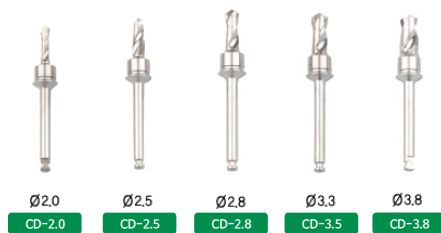


Masai Drill 4

MAS4-01

The Components

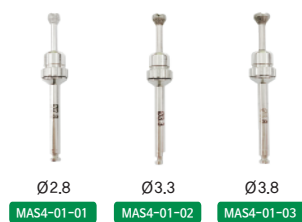
Crester Drill



Window Magnetic Drill



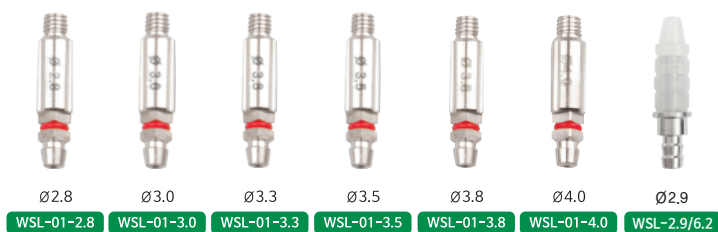
Crester Magnetic Reamer



Stopper



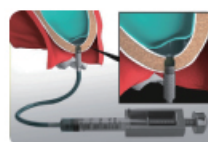
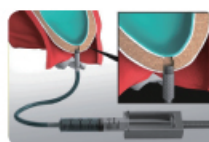
Aqua Tip



Trimmer



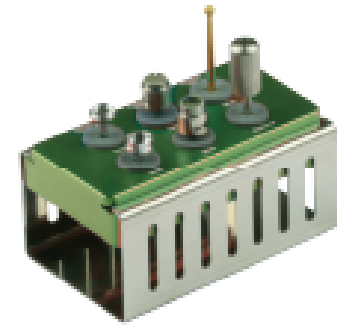
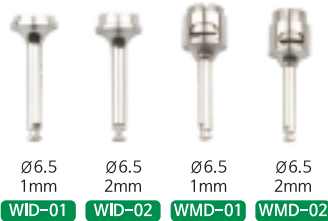
Direction for Use



MLA-01

Magnetic Lateral Approach Drill Kit

(Magnetic Lateral Kit)



Magnetic Lateral Approach Drill Kit

MLA-01

SMK3-01

Sinus Master III

For Lateral and Crestal Sinus Lifting

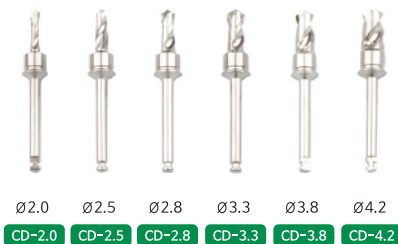
1. A lateral Maxillary window can be created efficiently with the Lateral Drills
2. For Crestal approach. First use the Crest drill with appropriate depth stop until the last 1mm
3. Finish the last 1mm with Crest Reamer with 1mm depth stop attached joined
The Crest Reamer is made of diamond particles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



Sinus Master 3

SMK3-01

Crester Drill



Crester Reamer



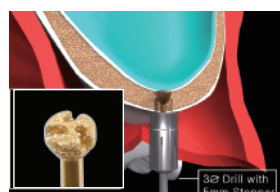
Lateral



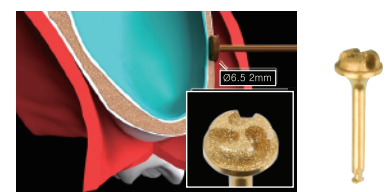
Stopper

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

Crester Drill



Lateral Drill

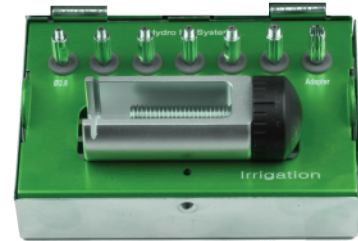


WSL-01

Hydro Lift System

(Hydraulic Kit)

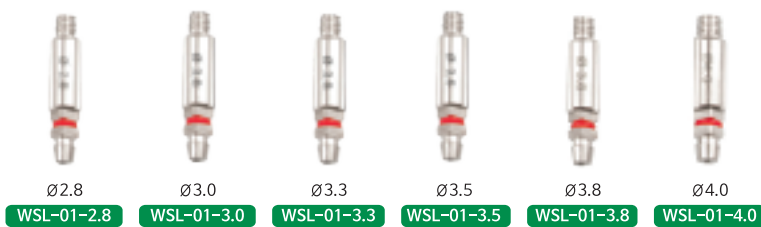
1. Lifting the sinus membrane with hydrolytic pressure thru crestal approach
2. Use the proper size Aqua tip for the osteotomy site and push the syringe with MCTBIO Patented aqua syringe holder by turning the black knob
This will allow the continuous and steady pressure to safely lift the membrane without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



Hydro Lift System

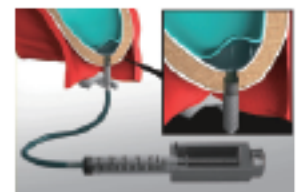
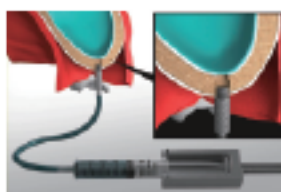
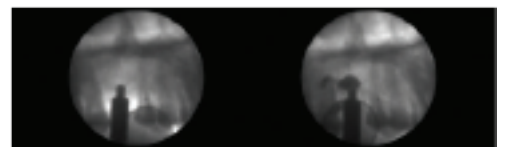
WSL-01

Crestal Approach



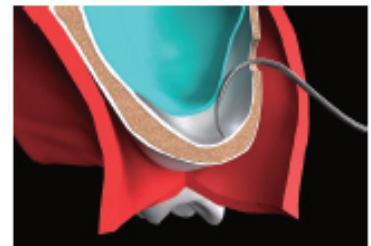
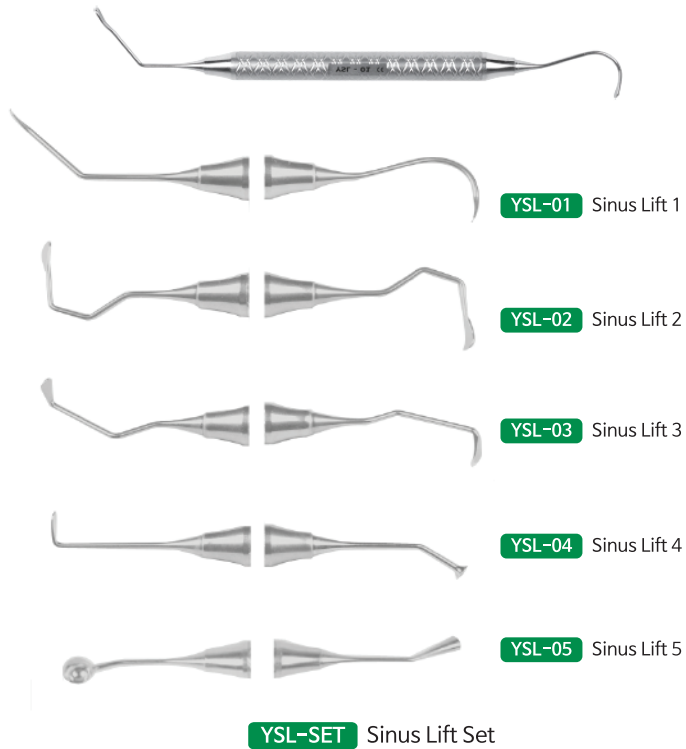
Aqua Tip

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

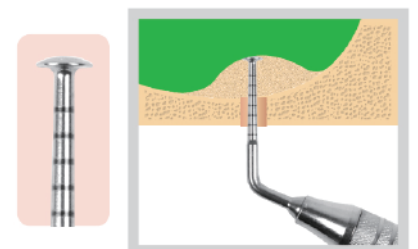


Sinus Lift & Sinus Lift Crestal

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



Ø2.6

SBE-2.6



Ø3.0

SBE-3.0



Ø3.4

SBE-3.4



Ø3.8

SBE-3.8



Ø4.3

SBE-4.3



Ø1.8

PLD-1.8

Spreader Screw



BCT-01-01



Bone Expander Concave



Ø2.6

BEC-2.6



Ø3.0

BEC-3.0



Ø3.4

BEC-3.4



Ø3.8

BEC-3.8



Ø4.3

BEC-4.3



Hand Adaptor

Adapter H



Spreader



Spreader Screw

Bone Carrier



BNC-03

SAW



Ø7

SAW-01



Ø10

SAW-02

22mm



SS-BAR



Wrench

RCW-01

Split Chisel



SPC-02 4mm Straight



SPC-03 4mm Curved



SPC-04 6mm Straight



SPC-05 6mm Curved

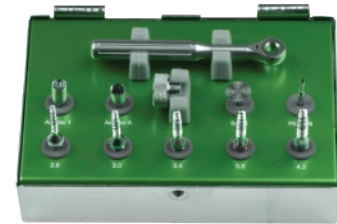
SPC-01 Split Chisel Set

SBE-01

Bone Expander

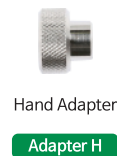
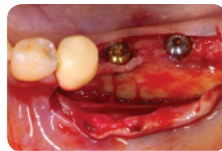
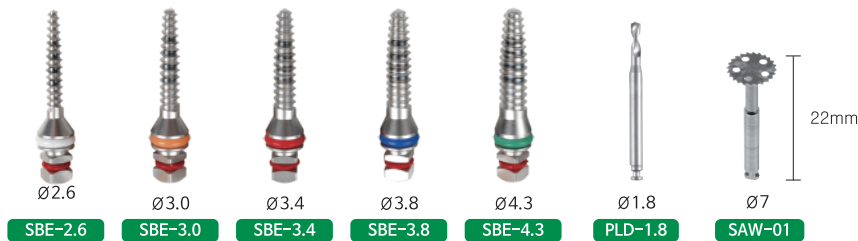
Is used for single implants to expand where the bone is narrow width or improve weak bone

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

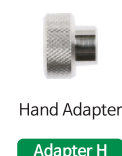
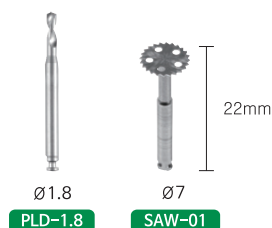
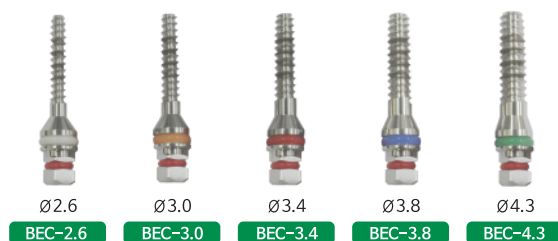
Is used for single implants to expand where the bone is narrow width or improve weak bone

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



SAW-01



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

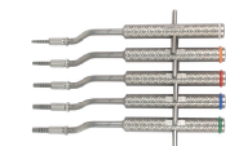


OSR-SET Osteotome Rigid Set



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

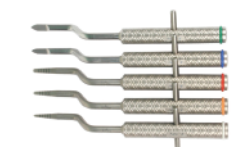


OST-SET Osteotome Thermos Set



Osteotome - Gaori

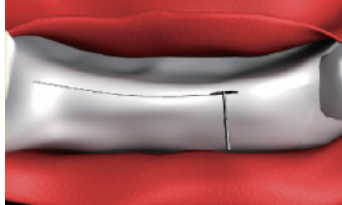
Gaori - 01	Gaori - 02	Gaori - 03	Gaori - 04	Gaori - 05
OSG - 01	OSG - 02	OSG - 03	OSG - 04	OSG - 05
2.5	3.0	3.5	4.0	4.5



OSG-SET Osteotome Gaori Set

Saw & Saw Cover Set

(Saw Protection set)



Ø8

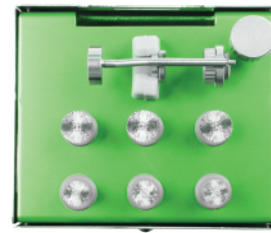
SAW-03



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
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

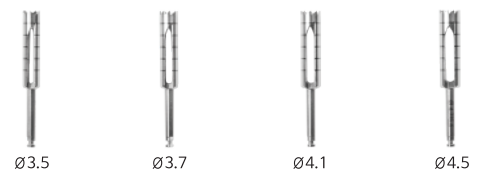


Astra Hex Noble Active NP Noble Active RP



FRW-01

Fixture Removal Trephine 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 Trephine 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

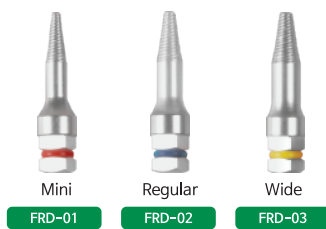
1. Select the appropriate "Certain Guide" for the damaged abutment
2. Attach the "Certain Guide" using the Guide Holder (SRG-H)
3. In Reverse, use The Screw Remover Drill to prepare a channel in the broken screw. The "Certain Guide" will ensure the channel is in the correct place
4. Also in Reverse,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



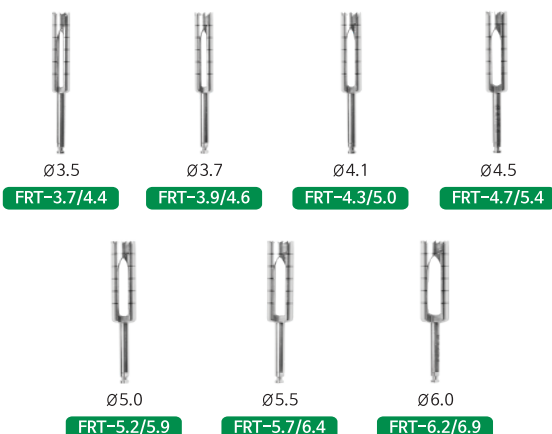
Screw Removal Kit

SRK-01

Fixture Removal Drill



Fixture Removal Trephine Bur



Screw Removal Drill & Tap



SRD-01 Drill

SRT-01 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

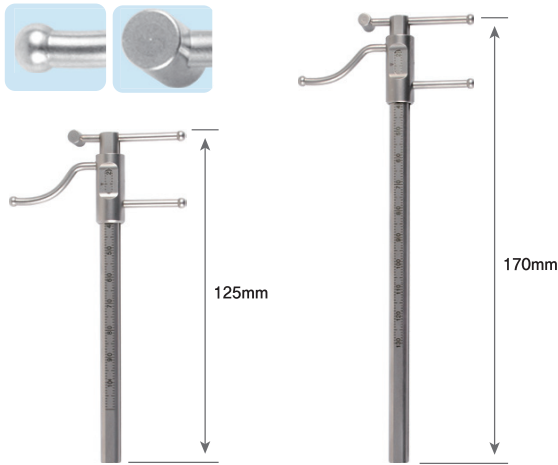


Trimmer



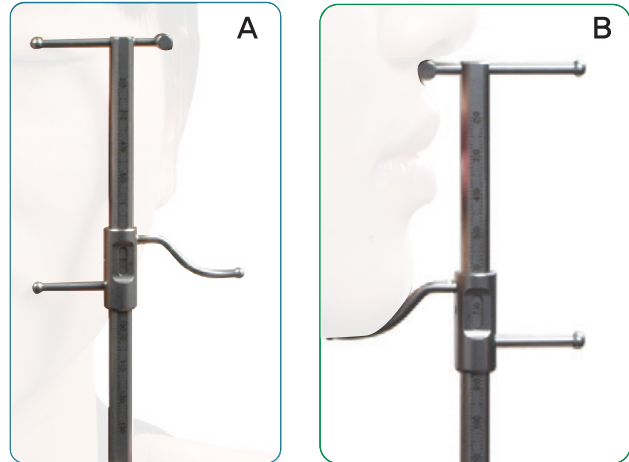
Venus & Apollo Gauge

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



Venus Gauge
GAU-01

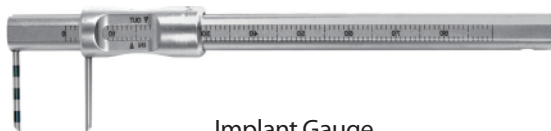
Apollo Gauge
GAU-02



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

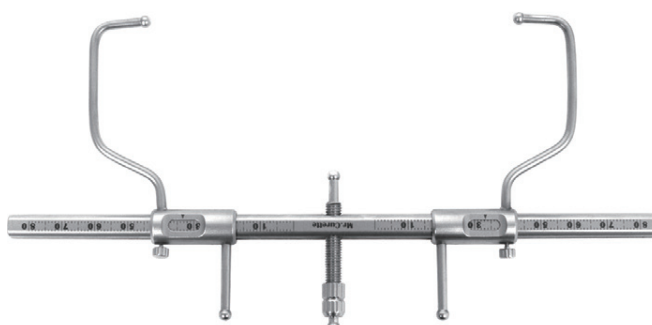
Measures bone thickness without puncturing tissue



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

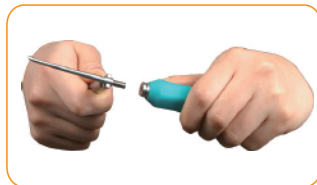


RTE-01-03



Wrench

RTE-01-05



RTE-01



Handle



Straight Tip + 3ea

RTE-02



Handle

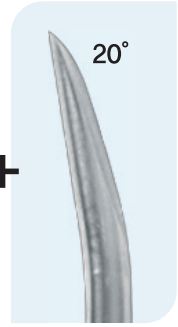


10° Curveved Tip + 3ea

RTE-03



Handle

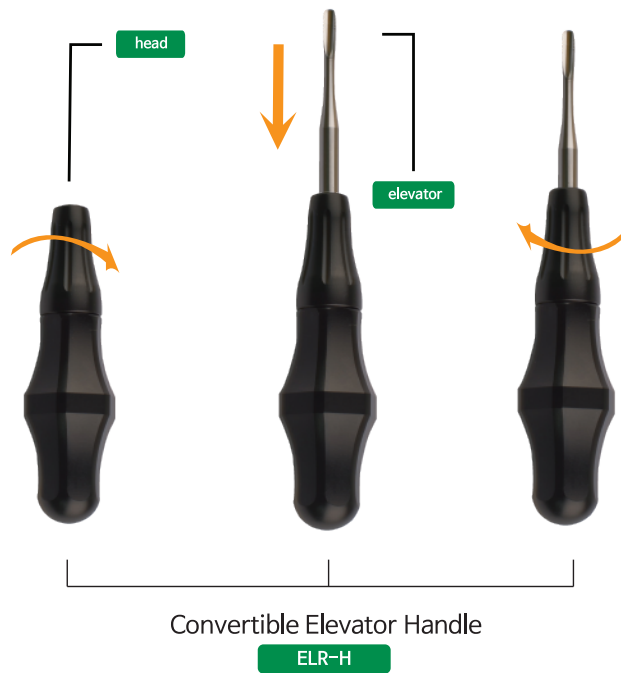


20° Curveved Tip + 3ea

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



Sawedged elevator



Convertible Elevator Set

ELR-SET

Convertible Elevator / Luxator / Root Picker



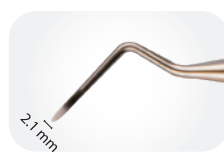
ELR-01

Root Picker (Left)



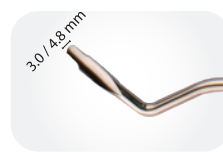
ELR-02

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



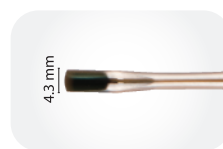
ELR-12

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



3.5mm



MEA-08

Elevator A8
~ Width 3.5mm
~ Apex and small tooth in Upper
Posterior area



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)



3.0mm



MLB-01 Luxating Elevator B1 (Straight)
- Blade width 3.0mm
- For anterior



3.0mm



MLB-02 Luxating Elevator B2 (Left)
- Blade width 3.0mm
- For posterior



3.0mm



MLB-03 Luxating Elevator B3 (Right)
- Blade width 3.0mm
- For posterior



3.0mm



MLB-04 Luxating Elevator B4 (Curved)
- Blade width 3.0mm
- For edge in posterior area

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



5.0mm



MLC-01 Luxating Elevator C1 (Straight)
- Blade width 5.0mm
- For anterior



5.0mm



MLC-02 Luxating Elevator C2 (Left)
- Blade width 5.0mm
- For posterior



5.0mm



MLC-03 Luxating Elevator C3 (Right)
- Blade width 5.0mm
- For posterior

Luxator (Special Blade)

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



3.0/4.8mm



MLD-01 Luxating Elevator D1 (Straight)
- Blade width 3.0/4.8mm
- For anterior



3.0/4.8mm



MLD-02 Luxating Elevator D2 (Left)
- Blade width 3.0/4.8mm
- For posterior



3.0/4.8mm



MLD-03 Luxating Elevator D3 (Right)
- Blade width 3.0/4.8mm
- For posterior

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

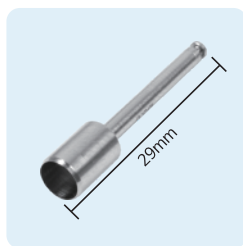
Tissue Punch & Trephine Bur & Saw Mini Set



Tissue Punch & Trephine Bur
& Saw Set

TAT-02

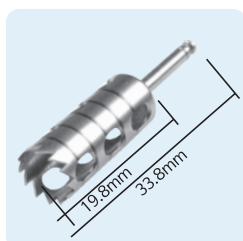
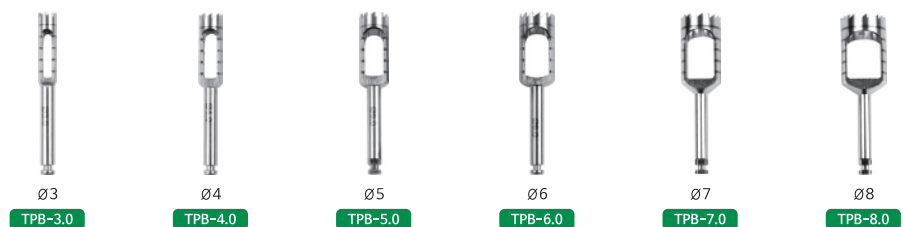
Tissue Punch



〈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
Varisty of drivers for different kind implant



TH-01



TD-01

M-Torque Driver Mini Kit

MTD-02

IGK-01

Implant Guide Kit

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

Implant Guide Kit

IGK-01



Guide

Post

Drill





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