Milestone in Ceramic Bracket

S-Line® Advanced

Passive Self-Ligating Ceramic Bracket

S-Line Advanced is True Esthetic Passive All-Ceramic Self-Ligating Bracket.
The high-purity particulates Ceramic technology ensures perfect transparency, and the patented Snap Spring Opening and Closing Mechanism enables stable, efficient orthodontic treatment.
Change your face and experience a whole new life through True Esthetic Passive S-Line Advanced Ceramic Bracket.

Bio Ceramic Technology
Biocetec

Esthetic

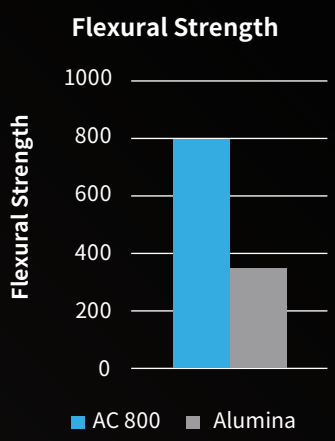
High Transparency

S-Line Advanced is **Pure** ALL Ceramic Self-Ligating Brackets, which is known to possess the best High-purity particulates Ceramic refining technology

AC800 (Advanced Ceramic 800)

Flexural Strength More than 800MPa

AC800, Biocetec proprietary ceramic technology, breaking through the limitations of alumina ceramics.

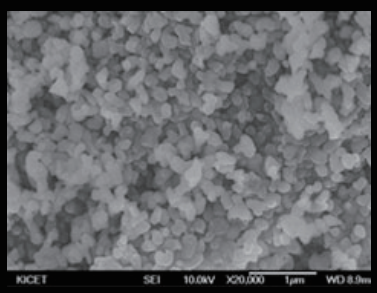


Exceptional Strength and Durability in case of Severe Malocclusion

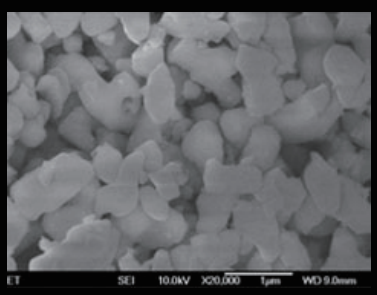
Sub-Micron Pure Alumina Ceramic Optimum strength and durability maintained by raw material purification technology and specialized ceramic injection molding (CIM) implementation

Report No. 2020-2960
Korea Institute of Ceramic Technology

[Door Pull-Out Test]



Raw material for Biocetec Ceramic Bracket



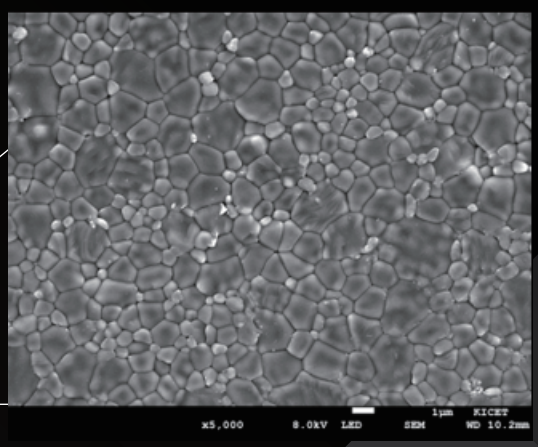
Raw material for Competitors

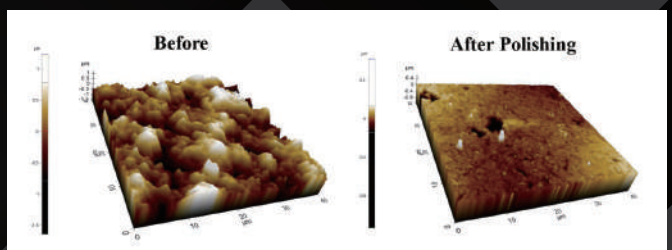
Low Friction

Specialized Ceramic Surface Treatment

High-purity particulates Ceramic Surface Treatment

- Nano Particle abrasive surface treatment minimizes wire friction
- Realization of all round corner designs (Hook, Slot, Bracket Body and Wing)
- Round Edged Slot for Sliding Mechanic
- Increase patient comfort with soft, rounded contours



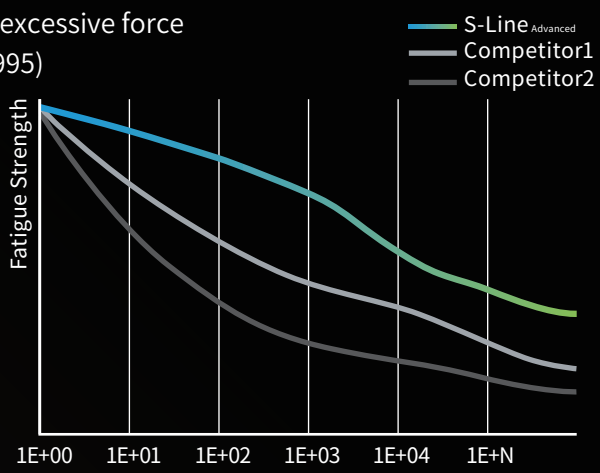


S-line Advanced

01 Wider & Stronger Sliding Door

Maintain Durability during Opening & Closing Even in Numerous Times

· Applying Patented S.N.P Door Mechanism disperses force during opening & closing to Prevent door fracture even in excessive force
(Patent No : 10-1729995)



[Door Fatigue Test]

Wider Sliding Door Width

· Efficient rotation control is possible as the contact angle between the wire and the door is small due to the wider door design

Wider Door Width

Minimized Wire Contact Angle

02 Low Profile & Rounded Body

S-Line Advanced　　Competitor

Lower Bracket Profile

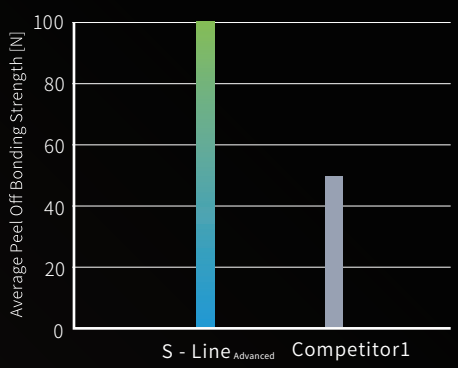
· Increased patient comfort and maximized treatment efficiency with height lowered by more than 10% compared to competing products
· Small, rounded design for patient comfort

03 Patented Undercut Base Design

(Patent No : 10-1560554)

Bonding Performance

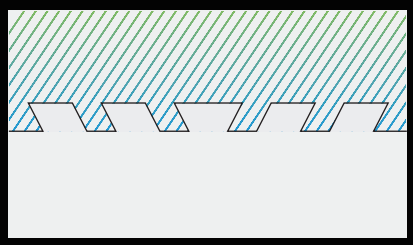
The under cut base design tilted by more than **20 degrees** to the left and right maximizes the strength of tooth adhesion, minimizing device dropout during orthodontic treatment



[Shear Bonding Strength Test]

Debonding Performance

Patented **20 degree** Angled Under Cut Base Design minimizes tooth surface damage when removing devices

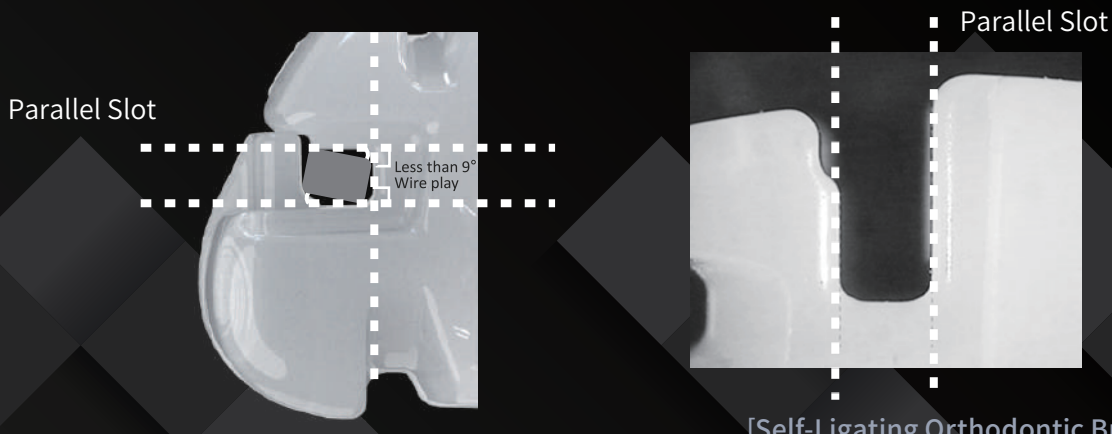


[Under Cut Base]

04 Precise Slot Torque Control

Precise Torque Control

- Accurate Slot Size and Effective Torque control by implementing specialized Ceramic Injection Molding + Heat treatment process
- Effective and predictable Wire Play by implementing precision manufacturing process



[Self-Ligating Orthodontic Bracket Line]

S-Line Advanced is True Esthetic Passive All-Ceramic Self-Ligating Polycrystalline Ceramic Brackets.
Experience comfortable and effective orthodontic treatment by patented S.N.P Door Mechanism.

05 Twin Wing for additional Ligature

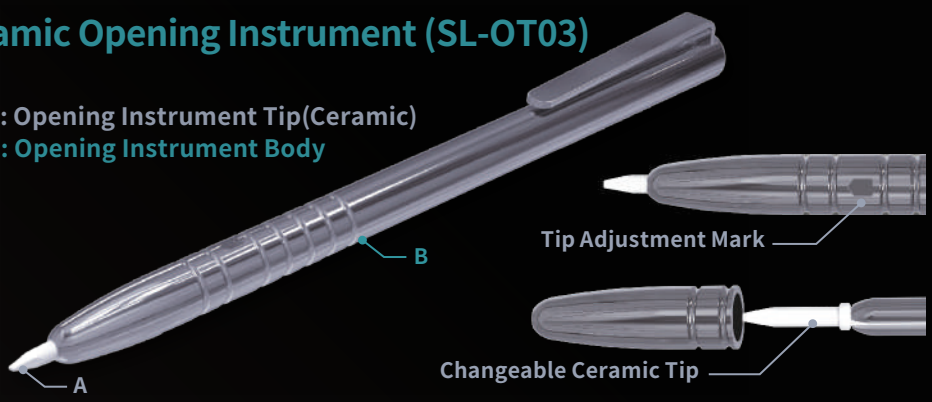
· Applying Twin Wing Design enables Power Chain use and additional ligation
· Easy to use elastic, chain, etc. in orthodontic treatment

06 All Ceramic Opening Instrument

(Patent No. 30-10668200000)

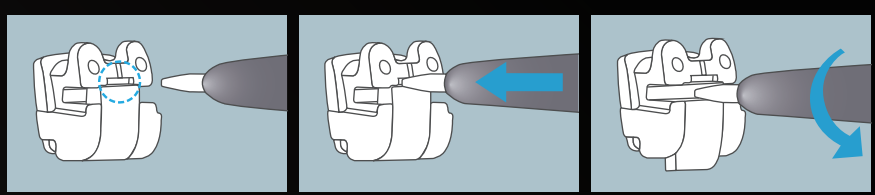
· All Ceramic Opening Instruments capable of sterilization
· Semi-permanent life with replaceable Tip

S-Line Advanced Ceramic Opening Instrument (SL-OT03)



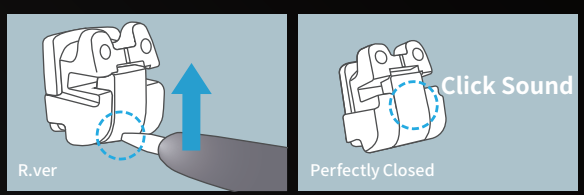
Opening Method

Insert & Spin

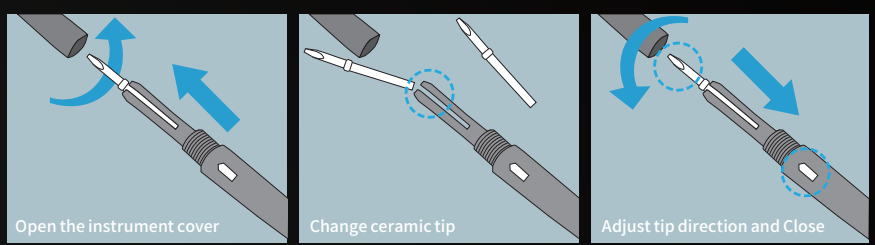


Closing Method

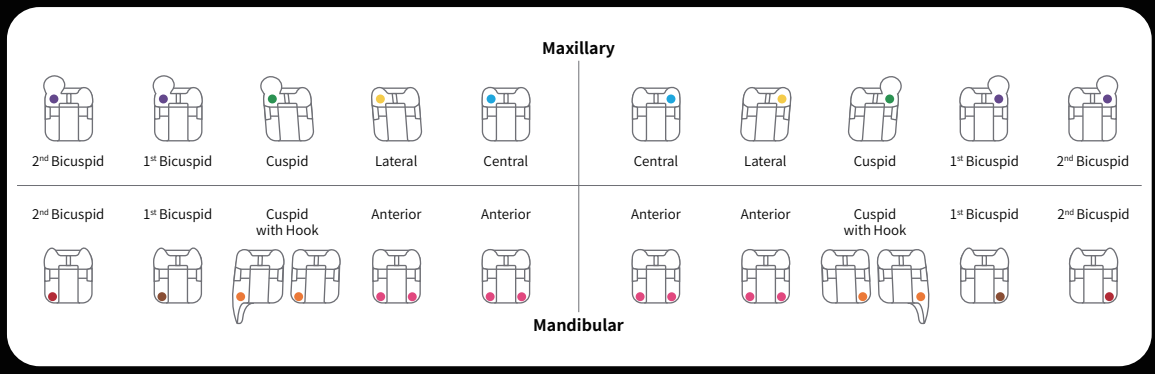
Closing with finger or Tip



Tip Changing Method



S-line



Prescription

MBT022

5-5set - SM22-55H45R SM22-55H45RH3
5-3set - SM22-53H45R SM22-53H45RH3
3-3set - SM22-33HR SM22-33HRH3

No.	Maxillary	Model name R	Model name L	ID Dot	Torque	Ang.	Offset
1	Central	SM22-1117	SM22-2117		17°	4°	0°
2	Lateral	SM22-1210	SM22-2210		10°	8°	0°
3	Cuspid with Hook	SM22-1300H	SM22-2300H		0°	8°	2°
4	1st/2nd Bicuspid with Hook	SM22-1407H	SM22-2407H		-7°	0°	2°

No.	Mandibular	Model name R	Model name L	ID Dot	Torque	Ang.	Offset
5	Anteriors	SM22-4106R	SM22-3106R		-6°	0°	0°
6	Cuspid	SM22-4300R	SM22-3300R		0°	3°	2°
	Cuspid with Hook	SM22-4300RH	SM22-3300RH				
7	1st Bicuspid	SM22-4412R	SM22-3412R		-12°	0°	0°
8	2nd Bicuspid	SR22-4417R	SR22-3417R		-17°	0°	0°

Roth022

5-5set - SR22-55H45R SR22-55H45RH3
5-3set - SR22-53H45R SR22-53H45RH3
3-3set - SR22-33HR SR22-33HRH3

No.	Maxillary	Model name R	Model name L	ID Dot	Torque	Ang.	Offset
1	Central	SR22-1112	SR22-2112		12°	5°	0°
2	Lateral	SR22-1208	SR22-2208		8°	8°	0°
3	Cuspid with Hook	SR22-1300H	SR22-2300H		0°	11°	4°
4	1st/2nd Bicuspid with Hook	SR22-1407H	SR22-2407H		-7°	0°	2°

No.	Mandibular	Model name R	Model name L	ID Dot	Torque	Ang.	Offset
5	Anteriors	SR22-4101R	SR22-3101R		-1°	0°	0°
6	Cuspid	SR22-4311R	SR22-3311R		-11°	7°	2°
	Cuspid with Hook	SR22-4311RH	SR22-3311RH				
7	1st Bicuspid	SR22-4417R	SR22-3417R		-17°	0°	0°
8	2nd Bicuspid	SR22-4522R	SR22-3522R		-22°	0°	0°

Roth018

5-5set - SR18-55H45R SR18-55H45RH3
5-3set - SR18-53H45R SR18-53H45RH3
3-3set - SR18-33HR SR18-33HRH3

No.	Maxillary	Model name R	Model name L	ID Dot	Torque	Ang.	Offset
1	Central	SR18-1112	SR18-2112		12°	5°	0°
2	Lateral	SR18-1208	SR18-2208		8°	8°	0°
3	Cuspid with Hook	SR18-1300H	SR18-2300H		0°	11°	4°
4	1st/2nd Bicuspid with Hook	SR18-1407H	SR18-2407H		-7°	0°	2°

No.	Mandibular	Model name R	Model name L	ID Dot	Torque	Ang.	Offset
5	Anteriors	SR18-4101R	SR18-3101R		-1°	0°	0°
6	Cuspid	SR18-4311R	SR18-3311R		-11°	7°	2°
	Cuspid with Hook	SR18-4311RH	SR18-3311RH				
7	1st Bicuspid	SR18-4417R	SR18-3417R		-17°	0°	0°
8	2nd Bicuspid	SR18-4522R	SR18-3522R		-22°	0°	0°

Biocetec has been researching only ceramics for 10 years

Bio Ceramic Technology

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