Milestone of Ceramic Bracket

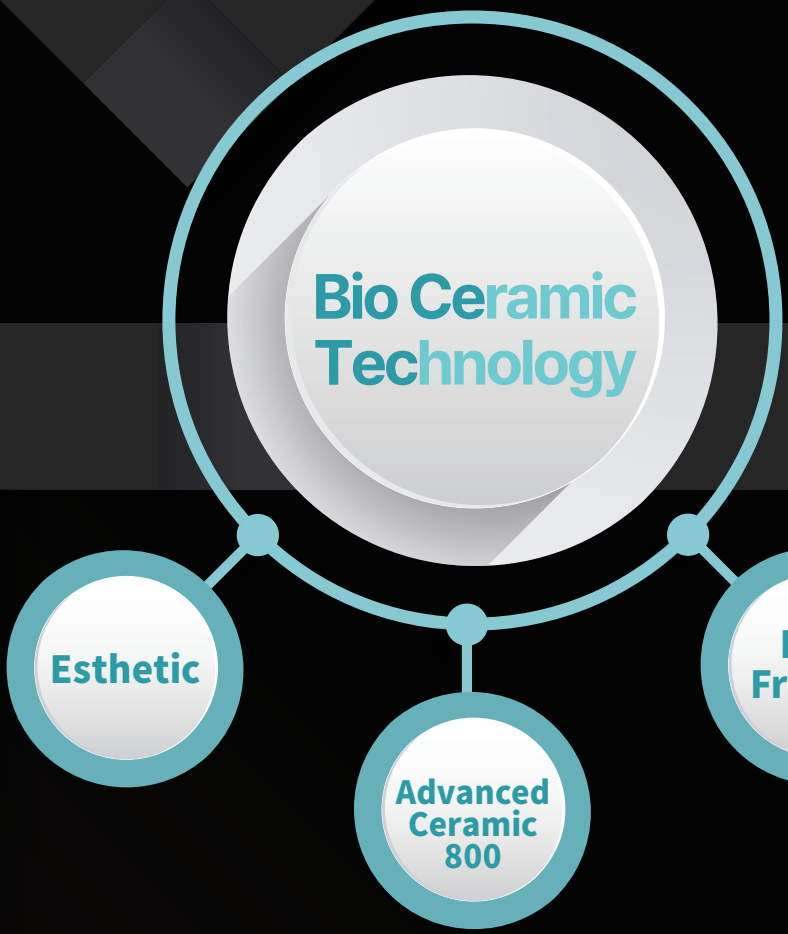


C-Line®

Polycrystalline Ceramic Bracket

C-Line® is a Polycrystalline Ceramic Bracket.
High-purity Ceramic technology ensures a complete level of transparency.
C-Line® Ceramic Bracket offers best esthetic and comfort.
Innovative <Fusion of Fine Ceramic Technology> C-Line® Ceramic Bracket combines clinically.
Demonstrated the powerful and clear performance required by today's doctors and patients.

Bio Ceramic Technology
Biocetec



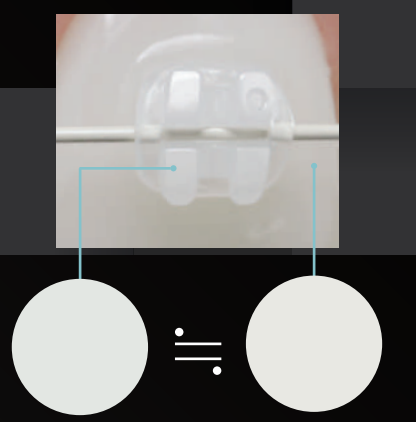
Esthetic

High Transparency

C-Line® is Polycrystalline Ceramic Bracket
with high-purity particle ceramic technology provides optimal **Transparency**



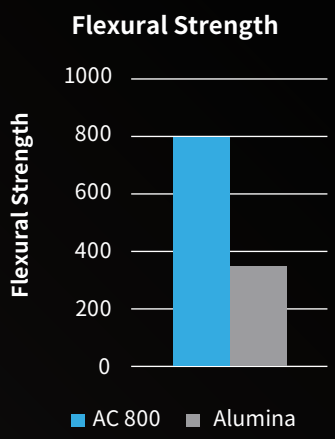
C-Line® ceramic brackets



AC800 (Advanced Ceramic 800)

Flexural Strength More than 800MPa

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



30% Improved Strength

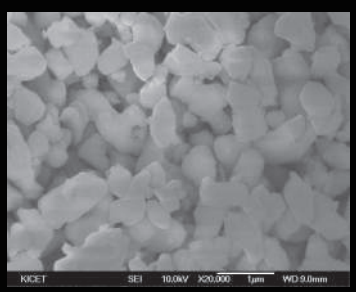
· Refining raw materials in high-purity particle sizes Maximized strength of the bracket



[Compare the shape and size of the Ceramic particles]



C-Line® Ceramic Bracket raw material



Existing Ceramic Bracket raw material

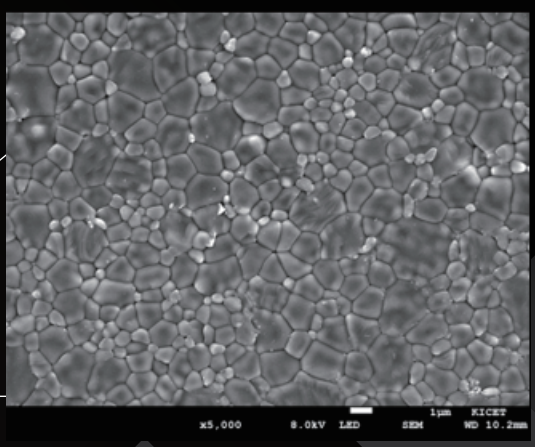
Low Friction

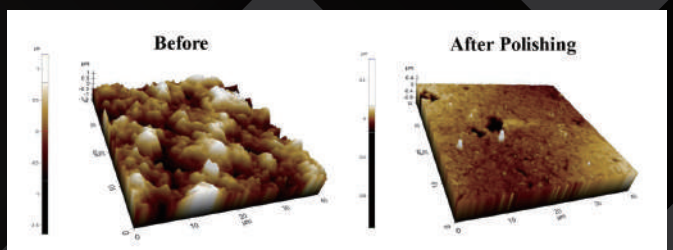
HP Surface Treatment

High-purity particles Ceramic Polishing Surface Treatment

· Minimized friction with high-purity particle surface treatment
· Realization of all round edge designs (Hook, Slot, Base, Clip)
· Round Edged Slot for Sliding Mechanic
· Increase patient comfort with soft, rounded contours







Roughness images of HP Polishing

C-line®

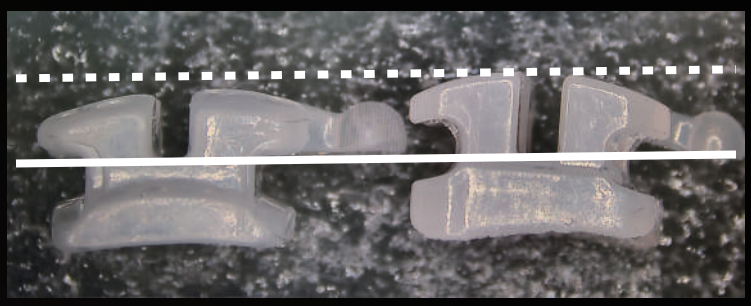
01 Lowest Bracket Profile



Curved Low Profile Design

Curved Low Profile Design

- Curved Low Profile Design that enables accurate and efficient treatment
- Minimize Profile insures Patient's comfort and treatment efficiency



Slot Line

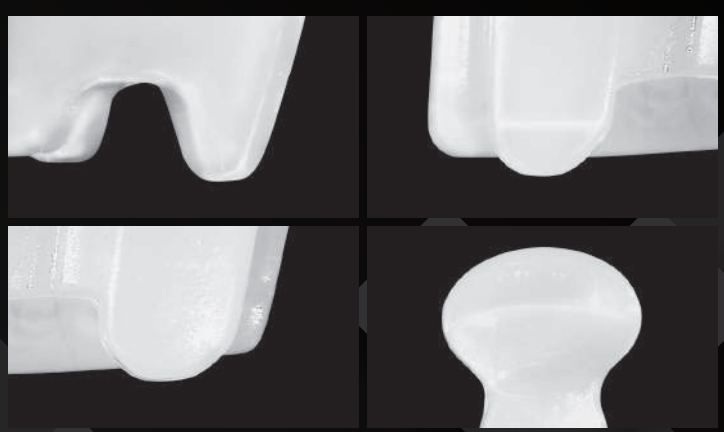
[C-Line®] [Other Competitor]

02 All Round Body Design



Smooth curved design increases patient comfort

- Minimize patient discomfort in the mouth
- Twin Wing design enables various treatment techniques using O-ring / Power Chain, etc



Hemi Hook Design

- All Rounded Hemi Hook Design for reliable Appliance use
- Enhanced Hook that doesn't break even with strong tensile force and impact

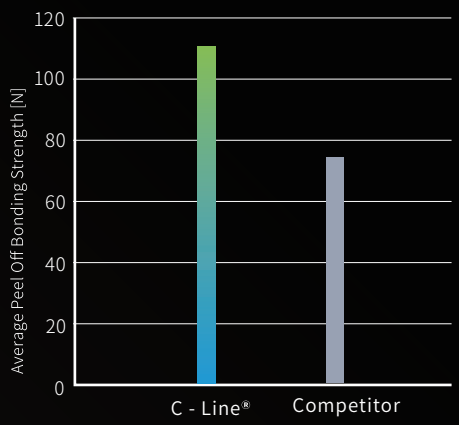
03 Undercut Bonding Base Design



(Patent No : 10-1560554)

Base Flange Wall

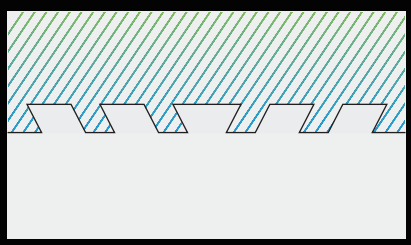
Base Flange Wall Design enables the right amount of adhesive and minimizes stress on teeth when removing the bracket



[Peel off Bonding Strength Test]

Debonding Performance

Patented **15°** Under Cut Base Design minimizes tooth surface damage when removing the bracket



[Under Cut Base]

04 Precise Smooth Slot Edge

Implementation of precise Slot

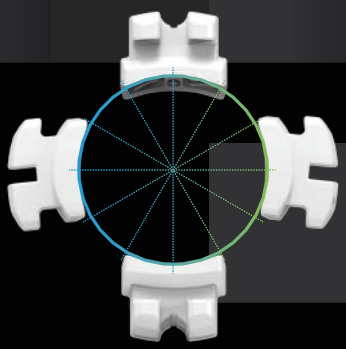
- Implementation of Round Slot Edge design reduces the risk of breakage and enables efficient treatment with easy sliding
- Deliver predictable Torque expression with precise slot (wire Torque Play 9° in 022 slot with 19*25 wire.)



[Polycrystalline C-Line® Bracket]

C-Line® is Polycrystalline Conventional Type Ceramic Brackets. Satisfy the patient's Esthetic needs, It is pain-free and provides maximum satisfaction through orthodontic treatment.

05 High-purity particles polishing technique



Perfectly fitting
C-Line® curvature

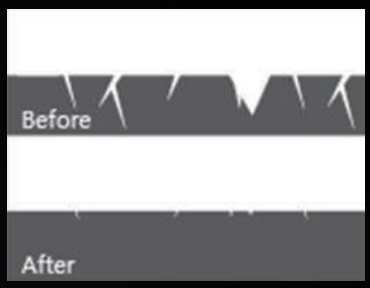
Perfectly Fit into Tooth Contour

· Implements a bracket base Curvature that attaches well to teeth and accurate Orthodontic treatment



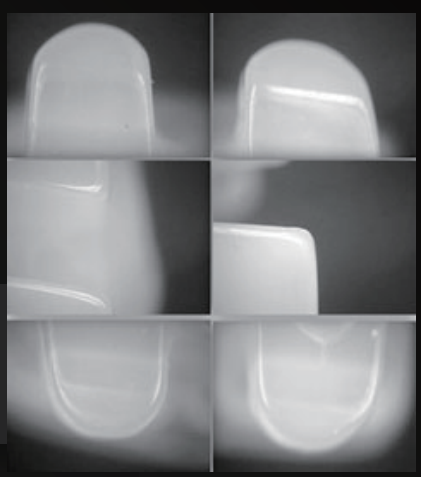
Rhomboid Shape

· Rhomboid Shape enables accurate and efficient treatment



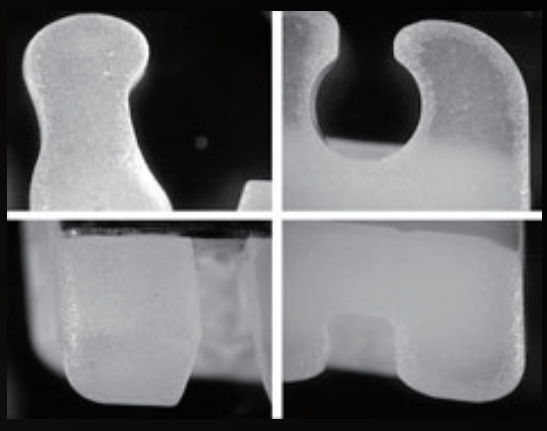
[High-purity particle polishing treatment]

· By Surface Treatment using High-purity particle Polishing technology reduce friction **Minimize discoloration caused by irritating foods** such as coffee, curry, and black tea Maintaining a stable esthetic.



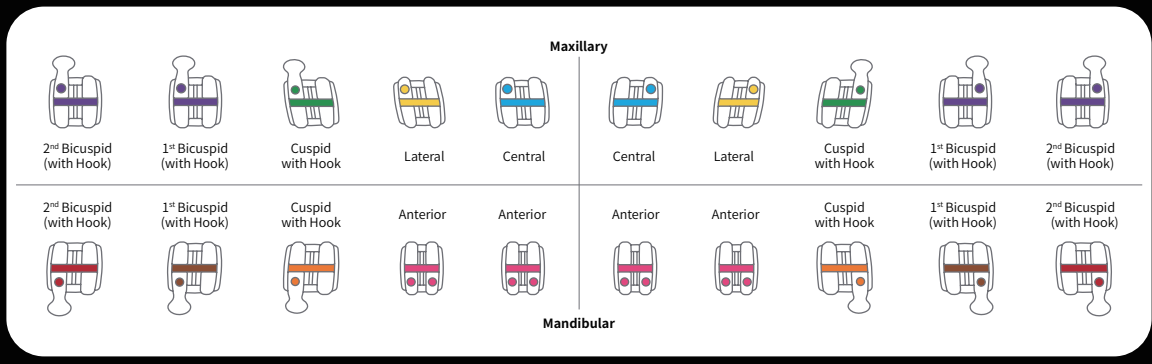
C-Line®

VS



Competitor

C-line®



Prescription

MBT022

5-5set - CM22-55H45(Hook)
3-3set - CM22-33H

No.	Maxillary	Model name			Torque	Ang.	Offset
		R	L	ID Dot			
1	Central	CM22-1117	CM22-2117		17°	4°	0°
2	Lateral	CM22-1210	CM22-2210		10°	8°	0°
3	Cuspid with Hook	CM22-1300H	CM22-2300H		0°	8°	2°
4	1st/2nd Bicuspid with Hook	CM22-1407H	CM22-2407H		-7°	0°	2°

No.	Mandibular	Model name			Torque	Ang.	Offset
		R	L	ID Dot			
5	Anteriors	CM22-4106	CM22-3106		-6°	0°	0°
6	Cuspid with Hook	CM22-4300H	CM22-3300H		0°	3°	0°
7	1st Bicuspid with Hook	CM22-4412H	CM22-3412H		-12°	2°	0°
8	2nd Bicuspid with Hook	CM22-4517H	CM22-3517H		-17°	2°	0°

Roth022

5-5set - CR22-55H45(Hook)
3-3set - CR22-33H

No.	Maxillary	Model name			Torque	Ang.	Offset
		R	L	ID Dot			
1	Central	CR22-1112	CR22-2112		12°	5°	0°
2	Lateral	CR22-1208	CR22-2208		8°	9°	0°
3	Cuspid with Hook	CR22-1300H	CR22-2300H		0°	11°	4°
4	1st/2nd Bicuspid with Hook	CR22-1407H	CR22-2407H		-7°	0°	2°

No.	Mandibular	Model name			Torque	Ang.	Offset
		R	L	ID Dot			
5	Anteriors	CR22-4101	CR22-3101		-1°	0°	0°
6	Cuspid with Hook	CR22-4311H	CR22-3311H		-11°	7°	2°
7	1st Bicuspid with Hook	CR22-4417H	CR22-3417H		-17°	0°	4°
8	2nd Bicuspid with Hook	CR22-4522H	CR22-3522H		-22°	0°	4°

Roth018

5-5set - CR18-55H45(Hook)
3-3set - CR18-33H

No.	Maxillary	Model name			Torque	Ang.	Offset
		R	L	ID Dot			
1	Central	CR18-1112	CR18-2112		12°	5°	0°
2	Lateral	CR18-1208	CR18-2208		8°	9°	0°
3	Cuspid with Hook	CR18-1300H	CR18-2300H		0°	11°	4°
4	1st/2nd Bicuspid with Hook	CR18-1407H	CR18-2407H		-7°	0°	2°

No.	Mandibular	Model name			Torque	Ang.	Offset
		R	L	ID Dot			
5	Anteriors	CR18-4101	CR18-3101		-1°	0°	0°
6	Cuspid with Hook	CR18-4311H	CR18-3311H		-11°	7°	2°
7	1st Bicuspid with Hook	CR18-4417H	CR18-3417H		-17°	0°	4°
8	2nd Bicuspid with Hook	CR18-4522H	CR18-3522H		-22°	0°	4°

Biocetec has been researching only ceramics for 10 years

Bio Ceramic Technology

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BCP-BKTC-01 [Rev.1.2/ 23EN]