Technically Beautiful™

Radiance Plus is the clearest ceramic twin bracket available, delivering exceptional results with features other cosmetic brackets just can’t match. This latest generation of Radiance is stronger and even more dazzling than the previous generation, with enhancements including Visual Placement Aids (VPAs) for bonding precision, and a thicker, stronger tie wing radius.

BEAUTY

Radiance Plus is manufactured from monocrystalline and is nearly invisible on the teeth. Other cloudy, polycrystalline brackets can’t match Radiance Plus’s incredible appearance. The strong monocrystalline body also serves as a barrier to stains.

PERFORMANCE

Radiance Plus brings you optimum mesial-distal width for exceptional rotational control, and reduced fracture risk thanks to a smooth radius on the tie wing base. New latex-free elastomeric Visual Placement Aids (VPAs) help deliver accurate bracket positioning every time.

STRENGTH

Radiance Plus conveys strength in both the body and base. A proprietary heat polishing process helps smooth away micro voids or flaws, the patented Quad Matte™ base delivers a remarkably strong bond, and thicker tie wings mean much less chance of bracket failure.
Clear sapphire

Radiance Plus brackets provide a brilliant appearance, proven to be much clearer than other monocrystalline or polycrystalline ceramic systems. Each Radiance Plus bracket is created from a single crystal of pure grown sapphire – one of the hardest materials in nature, second only to diamond. The crystal is honed and heat polished into a remarkably strong and beautiful bracket that’s nearly invisible on the teeth, regardless of tooth shade. This is proven in a recent study appearing in the American Journal of Orthodontics and Dentofacial Orthopedics, which rates Radiance Plus as the most translucent of all monocrystalline brackets tested.¹

The durable monocrystalline bracket body also serves as a barrier to stains, giving Radiance Plus a brilliant appearance throughout treatment.

Rotational control
Radiance Plus is engineered with optimum mesial-distal width on the maxillary centrals and cuspids to deliver industry-leading rotational control. This greater anterior control allows you to deliver accurate results without sacrificing aesthetics.

Improved tie-ability
Tie wings are designed with a smooth radius on the base of each wing, significantly reducing fracture risk. An enlarged tie wing undercut also makes for much easier placement of elastics, ligatures, and chain.

Precise bracket placement
The addition of latex-free elastomeric Visual Placement Aids (VPAs) allows you simple, accurate bracket placement every time, without the staining risk associated with other color coding systems. Each VPA is color coded to its specific tooth so there’s no question which bracket goes where. After bonding, they are easily removed from the slot with pliers, and there’s no ink for the patient to brush away.
Quad Matte™ base
A patented Quad Matte™ base gives Radiance Plus its amazing bond strength. This technology delivers a strong bond in the center of the bracket, and a smooth perimeter to make the debonding process predictable and simple.

Solid core structure
A heat treated, monocrystalline formation gives Radiance Plus a solid core structure, as opposed to the strand structure found in polycrystalline brackets. A proprietary heat polishing process creates just enough energy to smooth away any micro voids or flaws that could compromise the bracket’s integrity. This helps improve sliding mechanics, and results in a bracket that resists torque fracture more than three times that of polycrystalline brackets.

Durable tie wings
The increased tie wing thickness on each Radiance Plus bracket enhances its solid body. This thicker space provides the appropriate dimensions to help decrease fracture risk, and help with effective tying.
Dependable debonding

Debonding Radiance Plus is simple and predictable thanks to specially designed ceramic bracket debonding instruments. Scan QR code for debonding demonstration video.

Radiance Plus Debonding Pliers #001-343E
These pliers are designed to debond by placing the opposing tips of the pliers occlusal/gingival under the tie wings while applying constant pressure to the handles.

Omega Ceramic Bracket Debonding Pliers (Sushi pliers) #001-301E
The blades of these “sushi” pliers are parallel when placed along the mesial and distal sides of the bracket. Only the upper surfaces of the tips are sharpened, focusing the debonding force at the bracket/enamel interface.

Techniques

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Bracket Color Identification: Visual Placement Aids (VPAs) are color coded to each specific tooth.

Omega Ceramic Bracket Debonding Pliers

* The American Orthodontics version of the Roth System is not claimed to be a duplication of any other, nor does American Orthodontics imply that it is endorsed in any way by Dr. Roth.
* The American Orthodontics version of the McLaughlin, Bennett, Trevisi System is not claimed to be a duplication of any other, nor does American Orthodontics imply that it is endorsed in any way by Dr. McLaughlin, Bennett, or Trevisi.
* Dr. Wick Alexander is proud to endorse Alexander prescription brackets from American Orthodontics.