Metal Primer

The opaque layer achieves excellent and long-lasting bonding performance with all dental alloys and zirconia.



Apply metal conditioner onto the clean technical surface and leave it for 10 seconds.

Ceramic Resin Adhesive

This material is applied for dental restoration and treatment. It can be used to bond restorative materials on teeth and boost the bonding strength between restorations and dental tissues.



AIR-BLOCK STRIP

Apply oxygen inhibitor gel prior to final curing. It protects the resin surface during polymerization and prevents the formation of an uncured layer caused by oxygen interference. This saves polishing time and preserves the finely carved details.



YUWEI CERAMIC SYSTEM

GLOBAL DENTAL MATERIAL TECHNOLOGY SERVICE PROVIDER





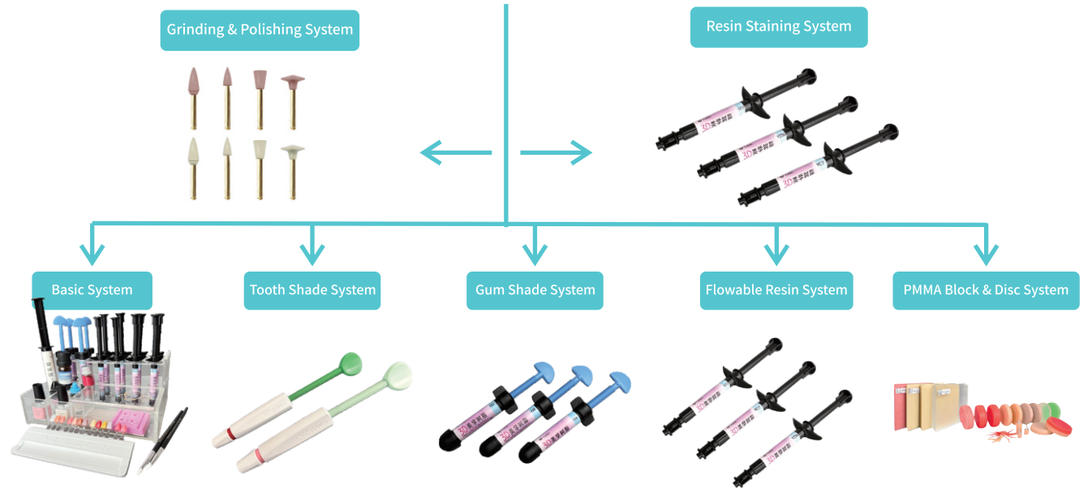


Material Selection

Conditioners matched to different materials allow lay-up on all types of inner crown substrates.



CERAMIC SYSTEM



Poly-ceramic is an ultra-high-strength resin-ceramic composite system filled with 75% micro-ceramic fillers to deliver superior surface wear resistance, excellent polishability and anti-plaque performance.
While retaining the high strength, outstanding abrasion resistance and long-term color stability of ceramics, poly-ceramic also combines the high toughness and ductility of resin materials. It cures under blue light at room temperature, eliminating deformation caused by high shrinkage during high-temperature sintering of porcelain and all-ceramic restorations, thus guaranteeing high precision of prostheses. It features easy operation and a wide range of clinical applications.

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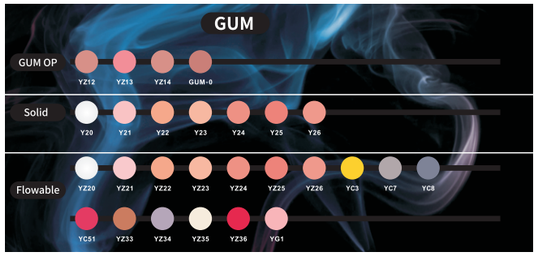
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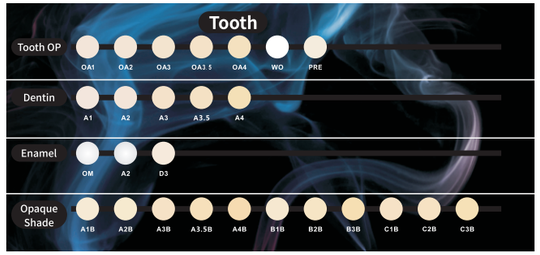
Physical Data

	Polymeric Porcelain	Flowable Poly-Ceramic	Flowable Poly-Ceramic
Vickers Hardness (Mpa)	745	345	410
Compressive Strength (MPa)	356	278	310
Flexural Strength (MPa)	147	135	145
Toothbrush Abrasion (wt%)	0.51	0.9	0.7
Stain Resistance (ΔE)	9.2	9.2	6.1

Color Concept

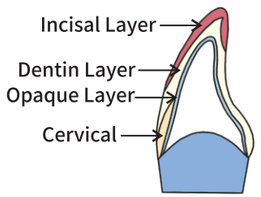
The Poly-Ceramic System consists of two shade series: gingival and tooth. All shades are logically arranged. Similar to most ceramic powder systems, it provides a variety of personalized, translucent and opaque modifier shades, enabling the creation of all complex natural shade effects.



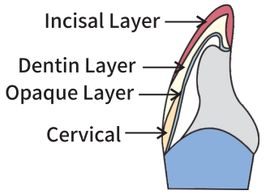


Simple Layer Build-up Technique

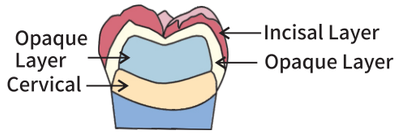
Simple layering build-up with Poly-Ceramic opaque, dentin and incisal pastes allows technicians to achieve natural esthetic results comparable to ceramic powders.

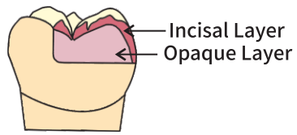


Full Crown

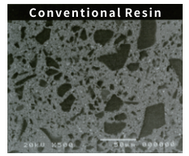


Metal Substructure Crown





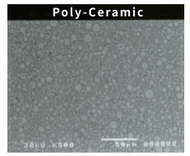
Dentin Intensive/
Deep Dentin Intensive



Conventional resin exhibits an uneven structure between glass fillers and matrix.

【Indications】

- Crowns and bridges reinforced with metal or fiber
- veneers and full crowns,
- veneers for telescope crowns and implant abutments



Uniform microstructure delivers excellent physical properties.

【Indications】

- Inlays and onlays
- adjustment of conventional acrylic resin teeth
- repair of ceramic or indirect restorations
- modification of Malo bridge frameworks

Fully Automatic Light Curing Unit



Equipped with four customized high-power blue halogen lamps, the focused irradiation spot targets the rotating worktable with a diameter of 10 cm. At the standard working height of 8 cm, the light intensity reaches 8 W/cm, over 10 times that of comparable LED products.

Technical Parameters

Dimensions: W 330mm x D 370mm x H 440mm
Weight: Approx. 13.4kg
Rated Power Supply Voltage: 200V–240V, 50/60Hz
Lamp: 220V halogen lamp
Wavelength: 440–485nm

System Composition

The materials contained in the poly-ceramic system kit are reasonably formulated to fabricate high-quality and durable restorations through simple and efficient procedures.

Spacer

A film is formed after application, ensuring sufficient space for luting cement during final crown cementation, especially for non-metallic restorations. The separating liquid will not alter the shade of the restoration during lay-up.



Separator

Apply separating agent near the margins and allow it to dry.It forms an isolating film between two identical or dissimilar materials, or between material and mold, preventing adhesion between materials or between material and mold.



Opaque

Poly-ceramic opaque is available in two shade series: gingival and body. It is a flowable opaque containing special light-transmitting fillers that can flow into the undercuts of retention beads to create a tightly bonded surface.Apply one to two coats as needed to fully mask the color of the metal framework and achieve an ideal masking effect.



Core OP



Gum Color OP



Opaque Layer

Poly-ceramic opaque solids feature a high filler content, so only several thin coats are required to reproduce superior shades. Cervical solids also help achieve precise color matching with natural teeth. Gingival solids can be layered to form gingival margins and recreate lifelike bony eminences.





Incisal/Translucent Layer

Poly-ceramic incisal and translucent shades deliver opalescent effects, closely mimicking the color of natural teeth.Gingival Solid (Y21) can be layered to fabricate gingival epithelium, recreating a lifelike overall appearance of natural gingiva.and mold.





Modelling Liquid

When additional solid shaping is required after grinding and contouring, use it as a wetting agent on the ground surface of the restorative resin to enhance bonding performance.



Flowable Poly-ceramic

It boasts excellent flowability, facilitating application and lay-up in complex anatomical areas that are hard to reach with instruments, such as inlays and gingival papillae.





Its high flowability enables precise lay-up in cavity areas inaccessible to instruments.