

Full press

GC Initial IQ pre-blended ingots press to metal or zirconia in a one-bake concept.

By Luke Kahng CDT. Information provided by GC America.

GC Initial IQ is a new concept of pre-blended effect ingots in combination with 3-D Luster Pastes, which together exhibit vitality and a natural glaze. The "One Body Concept" offers a simplified and condensed process optimizing your waxer's output and lowering the cost of training ceramists. You will make better use of your time and enjoy the benefits of higher accuracy, fewer remakes and optimized productivity without sacrificing quality.

The following technique illustrates the simple, predictable steps involved for both zirconia-supported and metal-supported restorations.

01 Opaque the metal coping and use Fluo crystals to give an even masking of opaque (**Fig. A**).

02 Using a non-contaminating wax, wax to full anatomical contour (**Fig. B**). *Note:* The thickness of the wax should be minimum of 0.8 mm.

03 After investing and burnout, the GC Initial IQ is pressed in a standard pressing furnace (**Fig. C**).

04 Modifying the pressed crowns is accomplished using abrasives and a handpiece (**Fig. D**).

05 The shade map indicates where the different effect luster pastes will be applied (**Fig. E**).

06 The luster pastes are packaged in syringes and come out thicker than glaze (**Fig. F**).

07 The application of the luster pastes are thick (**Fig. G**). Different colors can be placed on the entire crown.

08 After the different colors are applied, vigorously vibrated the crown to smooth texture (**Fig. H**).



GC Initial IQ

Press-to-metal and press-to-zirconia system.

Features

- Easy to learn and use
- Pre-blended ingots and 3D Luster Pastes exhibit vitality and natural glaze in one bake
- Surface is highly resistant to plaque adherence, polishes easily, is kind to opposing dentition, and exhibits natural fluorescence
- Full-contour waxing and press to ceramics

GC America

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Fig. A Fluo crystals give an even masking of opaque to the metal coping.



Fig. B Wax the copings to full contour.



Fig. C Press to the copings in a standard pressing furnace.



Fig. D Modify the crowns using abrasives and handpiece.



Fig. E Shade mapping indicates where the Luster Pastes should be applied.



Fig. F Luster Pastes are dispensed from syringes and are thicker than glaze.



Fig. G Different colors of Luster Pastes can be applied to the crown.



Fig. H Vibrate the crown vigorously to smooth the texture.



Fig. I The colored and glazed crowns are checked on the model.

09 Check the colored and glazed crowns on the model (Fig. I).

10 The GC Initial IQ can be pressed to different alloy types as well as to zirconia (Fig. J).

11 This photograph of old porcelain to metal crowns demonstrates an un-lifelike appearance (Fig. K).

12 The old crowns were replaced with GC Initial IQ restorations giving life-like translucency (Fig. L). [lab](#)

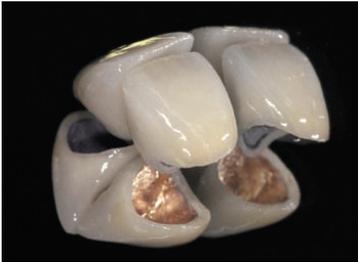


Fig. J GC Initial IQ can be pressed to different alloys or to zirconia.



Fig. K The old porcelain-fused-to-metal crowns.



Fig. L The final pressed-to-metal crowns exhibit life-like translucency.