NEW! BUY 1 BURBUTLER CADMASTER CAD/CAM KIT (0302-SS) GET INCLUDED BONUS ITEM: 10- HOLE DIAMOND WHITE BURBUTLER (0302-44) AT NO CHARGE

NEW! BUY 1 CAD/CAM STAIN KIT (2200-SS) GET INCLUDED BONUS ITEM: HC PRIMER (0000SS) AT NO CHARGE

NOT AVAILABLE IN CANADA.

CANADIAN OFFER: BUY 2 BEAUTISALEANT (1798) GET 4 FL2 FD DURA-WHITE STONES 12 PACKS (02444) AT NO CHARGE

NOT AVAILABLE IN CANADA.

--- 2018 SECOND QUARTER EDITION ---

ON THE COVER | CAD/CAM STAIN KIT FOR CHAIRSIDE CAD/CAM RESTORATIONS

FEATURE ARTICLE | CHARACTERIZATION OF A TRANSITIONAL RESTORATION MILLED FROM A HYBRID-CERAMIC MATERIAL

IN THE NEWS | BLOCKBUTLER FOR CAD/CAM BLOCKS

EVENTS | TRADESHOWS, LECTURES, HANDS-ON & INVASION COURSES

BACK COVER | YOUR SHOFU CONTACTS & QUARTER SPECIALS

SOLUTIONS BY SHOFU

2018 | SECOND QUARTER | ISSUE 02 | VOLUME 06

Universal and simple to use, CAD/CAM Stain Kit for CAD/CAM and Hybrid Ceramics will help clinicians improve the aesthetics of CAD/CAM restorations fabricated chairside.

Incorporating a novel technology with the ability to mimic the natural dentition’s optical properties, the assortment of stains featured in the Lite Art kit will help clinicians turn a dull-looking crown, bridge, inlay, onlay, or a veneer into a life-like restoration, in no time.

The proprietary chemical composition of the Lite Art also supports a reliable adhesion to a variety of other substrates, including resin-based direct and indirect materials, and PMMA. The low viscosity of the Lite Art stains allows for a precise application and prevents product’s wasting. All stains can be layered alone or blended together to effortlessly replicate the various characteristics of natural dentition.

For complete ordering information, contact your authorized Shofu Dealer. Fax this page with a copy of your invoice to 760.736.3276 or mail to: Shofu Dental Corporation 1225 Stone Drive, San Marcos, CA 92076-4059.

Make sure that the dealer invoice clearly shows your name, address, phone number and products purchased. Incomplete or illegible invoices will not be honored.

Free products will be shipped to you directly from Shofu Dental Corporation. CANADA: Free products will be shipped to you directly from your Shofu Canadian Dealer. Allow 2-4 weeks for delivery.

Offer cannot be combined with any other Shofu special. Shofu reserves the right to discontinue or change this offer at any time.
CHARACTERIZATION OF A TRANSITIONAL RESTORATION MILLED FROM A HYBRID-CERAMIC MATERIAL

In dentistry, planning a successful clinical case involves a collaboration between a dentist and a laboratory technician. The ability to provide a long-term temporization for an individualized restoration is an important phase of a successful treatment. It involves both, a dentist and a patient the confidence that a final restoration will meet the requirements of functionality and aesthetics. Furthermore, when fabricating cases, specifically for the anterior region, patients concerned with the quality and aesthetics of a temporary restoration may not accept a monochromatic solution. Therefore, choosing an appropriate transitional material and a shade adjustment system is essential to the success of a treatment.

In the following case, a new hybrid-ceramic CAD/CAM material, Shofu Block HC in a shade A2-LT/medium size was used to fabricate an anterior restoration. This material was chosen because it meets all the criteria of an effective long-term provisionalization. Demonstrating excellent physical properties, Shofu Block HC is also a good candidate for many other indications, including permanent anterior/ posterior restorations for inlays/onlays, full-contour crowns, and implant-supported cases.

With a total milling time of ca. 11 minutes, with Cerec inLab, under wet conditions, Shofu Block HC showed outstanding machinability in terms of damage tolerance, wear of CAD/CAM instruments, and the ability to be milled in a very low thickness. The evidence also indicated that the restoration achieved ideal marginal and fit integrity and fit.

After milling, the sprue was removed and contacts and occlusion were minimally adjusted with a Dura-Green Stone. In order to provide reliable mechanical retention, the surface of the restoration was roughened by sandblasting with aluminum oxide particles. Strong and durable chemical retention for the successive staining was obtained with CerasResin Bond.

The restoration was naturalized with Lite Art Color Pastes incorporating white, khaki, cyan and orange stains, which demonstrates the ability to mimic the natural dentition's optical properties. An overlay of an indirect flowable composite, Ceramage S9 was applied to enhance the translucency, to create the depth and space, and to shield the restoration from damages. After final curing, minor surface contouring accentuating the morphology and texture was created with a Dura-Green Stone and a diamond bur.

---

**FEATURE ARTICLE**

**CompoMaster**, a two-step diamond-filled abrasive system, was used to finish and polish the restoration without impacting its complex anatomical details. The final restoration was polished with a bristle brush and Dura-Polish DIA Polishing Paste to obtain the wet, glossy sheen (Fig. 2).

---

**Fig. 1**. A thin layer of Lite Art white, khaki, cyan and orange stains were applied to the restoration to demonstrate the characterization effects of natural dentition.

---

**Fig. 2**. The final crown demonstrates a naturally beautiful, glossy sheen, highlighting the optical abilities of Lite Art stains to deliver functional and aesthetic restorations.