NEW AND IMPROVED ABRASIVE KITS—WE'RE THE ABRASIVE PEOPLE!

To meet the needs of the dentist and to address the requirements of today's dental materials Shofu updated the contents of its popular abrasive kits.

A collection of new and improved abrasive kits comprises of Composite Finishing Kit (CA, FG) indicated for contouring and finishing of direct resin composites. Metals Polishing Kit (CA) is an ideal assortment of abrasives impregnated with polishing compounds to quickly provide outstanding results on amalgam, gold, precious and non-precious alloy restorations. CompoSite Polishing Kit (CA) featuring a comprehensive bur assortment for finishing and polishing of direct resin composites; Ceramité Polishing Kit (CA, FG) an all-inclusive kit with burs impregnated with silicon carbide, designed to swiftly polish porcelain and enamel.

All kits incorporate our new 10-hole BurButler, the universal bur block that grips all burs, and a water-resistant label with part numbers for easy reordering. Available in assorted colors, the BurButler is made of a medical-grade silicone base complemented by an autoclavable plastic lid. The durable silicone base features a patented startburst hole design for easy insertion and removal of all shank sizes, CA, FG, HP and short shank, and does not require plugs or extra parts to securely hold the burs in place. The holes also offer drainage for proper cleaning and does not promote rusting. BurButler simplifies the storage and management of dental burs bringing time- and cost-savings to a dental practice. Shofu's new and improved BurButler Abrasive Kits are the complete package!

ON THE COVER NEW AND IMPROVED ABRASIVE KITS—WE'RE THE ABRASIVE PEOPLE!

FEATURE ARTICLE BEAUTIFUL BURS LOW SHRINKAGE HELPS ABATE SHRINKAGE STRESS

IN THE NEWS NANDVHBD CAD/CAM RESTORATIVE, HC BLOCK/DISC NOW AVAILABLE FOR CEREC

EVENTS TRADESHOWS, LECTURES, HANDS-ON & INVASION COURSES

BACK COVER YOUR SHOFU CONTACTS & QUARTER SPECIALS!

— 2017 THIRD QUARTER EDITION —
Comprised of zirconium silicate nano-particles embedded in a pre-polymerized resin matrix, HC Blocks/Disks combine superior mechanical attributes with fast milling (ca. 6 minutes) and efficient polishing to deliver functional and life-like aesthetics. Indicated for permanent restorations with highly aesthetic full-contour anterior/posterior crowns, veneers, inlays/onlays and implant-supported cases. HC Blocks/Disks are now also available for milling in CEREC units.

**FEATURE ARTICLE**

**BEOATIFIL II LS (LOW SHRINK) HELPS ABATE SHRINKAGE STRESS**

One of the greatest limitations in the use of resin composites is the material’s shrinkage during polymerization. This process, typically associated with dynamic development of elastic modulus, creates a network of stress cells within the resin composite and its interface with the tooth structure. The unrelieved stress can weaken the bond between the tooth structure and the restoration. Consequently, marginal leakage, tooth fracture, and restoration displacement may occur and further initiate the formation of secondary caries and post-operative sensitivity.

Introduction of various new composite systems with low-shrink chemistry may also help overcome the problem. A next generation of a bioactive composite indicated for all cavity classes. I-V, Beautifil II LS (Low Shrink), has been formulated to help abate polymerization shrinkage and the resultant shrinkage stress.

Like all restorative materials from Shofu, this novel composite incorporates the proprietary bioactive Gionomer chemistry. Clinically proven in 8- and 15-year recall studies to release and recharge fluoride and other beneficial ions and inhibit plaque formation to help establish a stable pH in the oral environment.

Highly filled, 85 wt%, Beautifil II LS demonstrates excellent compressive and flexural strength (ca. 370 MPa and 120 MPa, respectively), maintains ideal color stability and polishes in an instant, producing a long-lasting sheen.

The distinguishing features of Beautifil II LS are its low-shrink attributes. In rigorous international bench tests, this ground-breaking material demonstrated volumetric shrinkage of 0.85% and polymerization shrinkage stress of 2.72 MPa, the lowest characteristics among all universal composites in the market today. These outstanding results are attributable to a new proprietary monomer, ML-01, co-developed with Mitsui Chemicals, and high-density pre-polymerized fillers which also exhibit tooth-like optical properties and natural aesthetics.

Available in syringes, tips, and value kits, in 14 dentin and enamel shades. Beautifil II LS offers the clinicians predictable and functional aesthetics with greater strength, higher wear resistance and naturally beautiful aesthetics.
**FEATURE ARTICLE**

**BEAUTIFIL II LS (LOW SHRINK) HELPS ABRATE SHRINKAGE STRESS**

One of the greatest limitations in the use of resin composites is the material’s shrinkage during polymerization. This process, typically associated with dynamic development of elastic modulus, creates a network of stress cells within the resin composite and its interface with the tooth structure. The unreleased stress can weaken the bond between the tooth structure and the restoration. Consequently, marginal leakage, tooth fracture, and restoration displacement may occur and further initiate the formation of secondary caries and post-operative sensitivity.

On average, the majority of resin composites in the market shrink about 2% to 5%. As polymerization shrinkage cannot be completely eliminated, a plethora of techniques and protocols have been developed to conduct the manipulation of restorative procedures to minimize the effects of shrinkage and associated shrinkage stress.

Introduction of various new composite systems with low-shrink chemistry may also help overcome the problem.

A next generation of a bioactive composite indicated for all cavity classes. I–V. Beautifil II LS (Low Shrink), has been formulated to help abate polymerization shrinkage and the resultant shrinkage stress.

Like all restorative materials from Shofu, this novel composite incorporates the proprietary bioactive Giomer chemistry. Clinically proven in 8- and 15-year recall studies to release and recharge fluoride and other beneficial ions and inhibit plaque formation to help establish a stable pH in the oral environment.

Highly filled, 85 wt%. Beautifil II LS demonstrates excellent compressive and flexural strength (ca. 370 MPa and 120 MPa, respectively), maintains ideal color stability and polishes in an instant, producing a long-lasting sheen.

The distinguishing features of Beautifil II LS are its low-shrink attributes. In rigorous international bench tests, this ground-breaking material demonstrated volumetric shrinkage of 0.85% and polymerization shrinkage stress of 2.72 MPa, the lowest characteristics among all universal composites in the market today. These outstanding results are attributable to a new proprietary monomer, ML-01, co-developed with Mitsui Chemicals, and high-density pre-polymerized fillers which also exhibit tooth-like optical properties and natural aesthetics.

Available in syringes, tips, and value kits, in 14 dentin and enamel shades, Beautifil II LS offers the clinicians predictable and functional aesthetics with greater strength, higher wear resistance and naturally beautiful aesthetics.
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 92078-4059

To meet the needs of the dentist and to address the requirements of today’s dental materials Shofu updated the contents of its popular abrasive kits. A collection of new and improved abrasive kits comprises of Composite Finishing Kit (CA, FG) indicated for contouring and finishing of direct resin composites. Metals Polishing Kit (CA) is a ideal assortment of abrasives impregnated with polishing compounds to quickly provide outstanding results on amalgam, gold, precious and non-precious alloy restorations. CompoSite Polishing Kit (CA) featuring a comprehensive bur assortment for finishing and polishing of direct resin composites. Ceramiste Polishing Kit (CA, FC) an all-inclusive kit with burs impregnated with silicon carbide, designed to swiftly polish porcelain and enamel.

All kits incorporate our new 10-hole BurButler, the universal bur block that grips all burs, and a water-resistant label with part numbers for easy reordering. Available in assorted colors, the BurButler is made of a medical-grade silicone base complimented by an autoclavable plastic lid. The durable silicone base features a patented startburst hole design for easy insertion and removal of all shank sizes, CA, FG, HP and short shank, and does not require plugs or extra parts to securely hold the burs in place. The holes also offer drainage for proper cleaning and does not promote rusting. BurButler simplifies the storage and management of dental burs bringing time- and cost-savings to a dental practice. Shofu’s new and improved BurButler Abrasive Kits are the complete package!