Shofu Dental Corp. will demonstrate its revolutionary product BEAUTIFIL Flow Plus during the American Dental Association Annual Session in New Orleans at booth No. 2251. This radioopaque injectable hybrid restorative is now available in four shades — B1, B2, C2 and D2 in two viscosities, giving dentists even more esthetic treatment options at their fingertips.

According to the company, the product combines mechanical properties that rival the leading hybrids, with the superior adaptation that can be achieved only with a flowable delivery. Approved for all indications (Class I–V), this new concept avails new clinical techniques that promise to revolutionize how restorations are performed, while at the same time, provide a host of benefits and advantages over traditional hybrid layering techniques.

**All-in-one base, liner and restorative.** Traditional methods of filling and packing hybrids can be time consuming, presenting technique-sensitive issues that may result in post-op sensitivity and/or failure of the restoration.

With BEAUTIFIL Flow Plus, material can be syringe-delivered where needed and cured in 2 mm increments all the way up to the occlusal surface. See Figures 2 and 3, Class I restoration, before and after. Using a single material not only simplifies the steps to perform restorations, it also reduces inventory needs and helps facilitate both setup and cleanup — making for a more productive office.

**Flowable adaptation with the strength of a hybrid.** The flowable consistency of BEAUTIFIL Flow Plus provides superior adaptation to tooth structure when compared with hybrids according to the company. Because the material is flowed into the preparation, rather than being packed as with hybrids, dentists can achieve a tight marginal seal with minimal instrumentation. This helps reduce the occurrence of voids inherent in traditional hybrid packing techniques. Unlike other flowables, BEAUTIFIL Flow Plus is approved for all indications, making it perfectly suited for difficult to reach Class IIIs.

In addition to superior adaptation, BEAUTIFIL Flow Plus was specifically designed to stand up to the rigors of the occlusal surface and marginal ridge, according to the company. High filler content and unique chemical properties ensure that clinicians have all the material strength found in leading hybrids. Internal studies confirm that compressive strength, flexural strength, toothbrush wear and other mechanical properties are clinically equivalent to leading hybrids on the market. Using this new approach, dentists can achieve better adaptation, with a stronger material and fewer, less complicated steps.

**Clinical proven benefits.** Shofu’s proprietary GIOMER technology uses “Surface Pre-Reacted Glass” (S-PRG) filler, providing a wealth of benefits for high-caries-index patients, according to the company. Simply put, S-PRG filler is composed of a glass core with a surface-modified layer that protects the durability and esthetics of the glass from moisture, while still allowing beneficial ions to travel freely between the S-PRG filler and the oral environment.

Many competitive restoratives release fluoride initially, but deplete their charge within a matter of weeks. With S-PRG technology, fluoride-releasing products, such as toothpaste and mouthwash, recharge the filler material, providing sustained preventative benefits over the life of the restoration. Numerous independent clinical studies show S-PRG fillers to display biomimetic properties that help protect the restoration and surrounding tooth structure from harmful bacteria. Studies on BEAUTIFIL Flow Plus’s sister product, BEAUTIFIL II, a hybrid restorative, highlight these results. As published in JADA, a University of Florida study found that restorations containing S-PRG filler showed no failures, no secondary caries and no post-op sensitivity during an eight-year period. A 13-year recall of these patients is under way.

**Quality and durability.** For decades, Shofu’s “Brownies,” “Greenie” and other polishers have been synonymous with quality and durability in dentistry. While many companies would be complacent as the “go-to” polishing company, Shofu has been on a mission to change dentistry for the better with innovative chemical restoratives such as BEAUTIFIL Flow Plus. Exceptional strength, handling and unique bioactive filler technology make it a product worth seeing for yourself.

**Now available: pit-and-fissure sealant.** Building on the GIOMER line of products from Shofu, is BeautiSealant Pit and Fissure Sealant. BeautiSealant is a tooth-colored, fluoride-recharging, pit-and-fissure sealant that reduces treatment time by completely eliminating the need for phosphoric acid etch and rinse steps. Using an advanced, self-etching primer, BeautiSealant is gentle on teeth, yet delivers superior shear and tensile bond strength compared with leading phosphoric acid etched systems.

In New Orleans Learn more about Shofu BEAUTIFIL Flow Plus, other Shofu products and the company’s ADA show specials at booth No. 2251 in the exhibit hall. Among the specials: BEAUTIFIL Flow Plus Kits Trial Offer is $912.35 (10% value) and if you buy four BEAUTIFIL Flow Plus syringes you get one BeautiBond unit dose or bottle free. Also, on Thursday, Oct. 31, Dr. Ron Kaminer presents “Prep It and Fill It: Minimally Invasive Options for Restorative Dentistry.” From 1-2 p.m., in booth No. 3457 in the exhibit hall as part of the Dental Tribune Study Club Symposia.

**Fig. 1:** BEAUTIFIL Flow Plus radioopaque, an injectable hybrid restorative with mechanical properties rivaling leading hybrids, adds more shade choices. Photos/Provided by Shofu

**Fig. 2:** “FOO” Zero Flow (0.0 mm of flow held vertically for one minute) handles more like a traditional base or liner. That said, the mechanical properties for both viscosities are similar and can be used interchangeably. Both FO0 and FO3 display self-leveling characteristics that make polishing easier than ever.

**Fig. 3:** Before (Fig. 2) and after (Fig. 3) Class I restoration shows BEAUTIFIL Flow Plus can be syringe-delivered where needed and cured in 2 mm increments all the way up to the occlusal surface.

**Fig. 4:** “FOO” Zero Flow (0.0 mm of flow held vertically for one minute), left, is ideal for stacking, especially in the marginal ridge. “FO3” Low Flow (3 mm of flow held vertically for one minute) handles more like a traditional base or liner. That said, the mechanical properties for both viscosities are similar and can be used interchangeably. Both FOO and FO3 display self-leveling characteristics that make polishing easier than ever.

**Fig. 5:** Radiopacity of FOO and FO3.