



Create beautiful restorations that retain natural tooth function

The High Translucent Zir-Perfect CAD/CAM Zirconia Disc can ensure a natural-looking restoration without sacrificing strength. **by Jo Donofrio**



JOEY DVORAK

TECHNICIAN TEAM MEMBER INDUSTRY

The Zir-Perfect CAD/CAM Zirconia Disc, a highly translucent zirconia, provides superb strength and durability, long-term stability, high natural translucency, and excellent esthetics to ensure a beautiful and stable restoration. Introduced in March 2020 by Dental Creations, Ltd., Zir-Perfect features a 3-point flexural strength of 1200 Mpa after sintering and a natural translucency of 43%. Compatible with most CAD/CAM machines, the Zir-Perfect Zirconia Disc creates long-lasting restorations that have a beautiful appearance and function like a natural tooth.

“I currently work in conjunction with Dental Creations to help test new products,” says Joey Dvorak,

a certified dental technician and crown and bridge manager at Cen-Tex Dental Lab, a state-of-the-art full-service dental lab in Waco, Texas. “In 2019, Dental Creations asked me to test the Zir-Perfect Zirconia Disc to determine how it compared with other zirconia products. I was very impressed. It is a high-quality, very clean zirconia and is easy to handle. The units looked so natural that the doctors couldn’t tell the difference.”

Many CAD/CAM materials are susceptible to fractures, undermining a restoration’s integrity. Even with its high translucency, Zir-Perfect maintains its superb strength and provides strong resistance to corrosion and long-term stability. “There are a lot of forces in the mouth, so the flexural strength of a zirconia product is key to its durability,” Dvorak says. “Zir-Perfect is the perfect blend of strength and translucency, 2 key features that both a

dentist and a patient are looking for in a restoration.”

Zir-Perfect comes in 98-by-14-mm discs and is available in 9 shades, including white for use with dip stains. “When I first started working with zirconia more than 20 years ago, it was very dull and only available in 1 color that didn’t match natural teeth,” Dvorak says. “We had to stain it to try and get a closer match, which was very tedious and time-consuming. With Zir-Perfect, we choose the closest shade and do almost nothing else to it. It’s a huge time-saver, and the restoration blends so well with the patient’s natural teeth that you can hardly tell them apart.”

Zir-Perfect is suitable for a variety of restorations, including crowns, bridges, and implants. “I can make just about anything in the mouth out of it,” Dvorak says. “[Although] posterior teeth are the bread and butter of our business, Zir-Perfect

Zir-Perfect High Translucent CAD/CAM Zirconia Disc

The Zir-Perfect Zirconia Disc is designed for superb strength, long-term stability, high natural translucency and great esthetics. With a 3-point flexural strength of 1200 Mpa after sintering, a natural translucency of 43%, and a resistance to corrosion, this block is said to produce long-lasting, beautiful restorations that have a natural appearance and function like a real tooth. Zir-Perfect is available in 9 shades, including white to use with dip stains. It is sized at 98mm by 14mm and is compatible with most open CAD/CAM milling machines.

Dental Creations, Ltd.

254-772-4661 | dentalcreationsltd.com

RS#

is pretty enough to use for anterior teeth too.”

The process is efficient, predictable, and precise. “I can usually get 10 to 15 units out of 1 Zir-Perfect puck,” Dvorak says. “We can make the product quicker and have more time to accentuate it, staining and glazing after sintering to match it perfectly to other teeth and look more enamel-like.” The result is a beautiful, durable restoration that is a perfect fit. “With digital technology, it is all done on a computer screen, and the restoration is almost always a perfect fit,” Dvorak says. “We seldom do a remake anymore.”

According to Dvorak, zirconia now accounts for approximately 99.9% of restorations created at CenTex Dental Lab. “Almost all dentists are using zirconia now,” he says. “Occasionally, we still have a dentist request a metal restoration, but that is very rare.”

The Zir-Perfect CAD/CAM Zirconia Disc offers a unique blend of strength and translucency. “There are several companies that make a zirconia product, and I have been fortunate to work with many of them,” Dvorak says. “I can put Zir-Perfect next to any of my higher-priced zirconia, and there is no difference. It is a very high-quality product at a lower price point, making it a very reliable and profitable choice.” ●