Innovations on a ‘smaller’ scale

By Designs for Vision Staff

Often, smaller is a big improvement. Designs for Vision Inc. has introduced two small innovations: the Micro 3.5EF Scopes and the ULTRA Mini 2.5x Telescopes. These new optical systems are designed to be lighter and more comfortable for all-day use.

The Micro 3.5EF Scopes use a revolutionary optical design that reduces the weight of the prismatic telescope by 40 percent, while providing an expanded-field, full-oral-cavity view at 3.5x magnification. The Micro 3.5EF Scopes are also 50 percent smaller and easier to view around peripherally than other expanded-field loupes. The Micro 3.5EF Scopes are custom manufactured to each person, and the focal length is matched to the individual’s ideal working distance.

“We listened to hygienists who wanted the field of view of an expanded-field 3.5x telescope but were concerned about wearing them all day because of the size and weight,” said Designs for Vision President Richard Feinbloom. “Designs for Vision was started by my father, Dr. William Feinbloom, as an optical company in 1961 to design innovative head-borne optical devices, and the new Micro 3.5EF Scopes continue that tradition of optical innovation.”

The 2.5x ULTRA Mini Telescopes weigh as little as 34 grams (1.2 ounces) and are 40 percent smaller.

“The ULTRA Mini Telescopes, like our world-renowned dental telescopes, provide 2.5x magnification that is fully customized to the individual user, providing ergonomic advantages to our customers,” Feinbloom said. “Designs for Vision matches the focal length of each telescope to the ideal working distance of our customers. This way the depth of focus surrounds the individual’s ideal working distance instead of adapting to a pre-set focal length. We have been working with dentists and hygienists who require true 2.5x magnification but desire a lighter, smaller device for all-day use.”

Designs for Vision wanted to design and engineer a full-feature system that offered all of the features customers expect from its products. The ULTRA Mini Telescopes can be built into any of the company’s frames — including its Nike® Skylon Ace sport frame — and are fully customized. The lens system uses the same precision-coated optics as our traditional magnification systems,” Feinbloom said. “We can also accommodate eyeglass prescriptions into the ULTRA Mini Telescopes.

Combining the Micro 3.5EF Scopes or 2.5x ULTRA Mini Telescopes with either the LED DayLite® ULTRA Mini or NanoLite® headlights provides contrast and further enhances visibility. Designs for Vision’s combos are a fraction of the weight of some light/loupe combo systems on the market, according to the company.

Designs for Vision, which invented “Through-the-Lens” technology, is a small company that has been privately held since its founding in 1961. You can “See the Visible Difference®” of Designs for Vision yourself by taking the company’s “45-Day Challenge,” which lets you compare any Designs for Vision product for 45 days risk free.