adjusts to existing air pressure. It pairs perfectly with KaVo’s high-speed COMFORTdrive 200XDR. NSK offers the NLZ series, with flexible installation and reciprocating function, as well as the compact, lightweight NLX nano; both are compatible with the popular Ti-Max family of contra angles. StarETorque from StarDental, a division of DentalEZ, allows switching from high to low speed with one touch; its touchscreen and color display comprise an intuitive user interface for simple operation.

AIR HANDPIECES
In addition to its familiar Midwest lines, Tradition and Quiet-air, Dentsply Sirona offers the Midwest Stylus ATC that combines the beneficial features of air and electric systems. The 430 line from StarDental includes the 430 Torque, delivering 27 W of power, and the 430 Series, with ceramic bearings and solid-glass rod fiber optics. KaVo Kerr offers a free trial program for its Master Series, Expert Series, and Smart Series handpieces; this covers the MASTERtorque LUX M8900L with DirectStop technology that stops the bur in less than 1 second when the foot control is released.

COSMETIC
IN-OFFICE WHITENING
Philips’ Zoom WhiteSpeed combines blue LED light-activation technology with the pH booster in the whitening gel to accelerate the whitening process—up to 8 shades of lightening in 45 minutes. Ultradent’s Opalescence Boost is a chemically activated, 40% hydrogen peroxide gel that comes in a proprietary double syringe; the clinician activates the gel just prior to application, ensuring freshness and effectiveness with every dose. Refrigerated from the time of manufacture until delivery to the practice, KÖR In-Office Power Whitening from Evolve Dental Technologies uses KÖR 34% Dual-Activated, Tri-Barrel Hydremide Peroxide gel with retractors and a paint-on gingival barrier.

TAKE-HOME WHITENING
A professional whitening gel delivered in prefilled, disposable trays, Opalescence Go from Ultradent features the enhanced UltraFit tray and can deliver results in as little as 15 minutes per day. For use with customized take-home whitening trays, Ultradent’s Opalescence PF—which has an easy syringe delivery—comes in 5 concentrations and 3 flavors, so patients can customize their whitening.

ONE STEP TO BETTER DENTISTRY
Clinicians strive to create strong, esthetic, and long-lasting restorations for their patients. But tying in a single additional step—one that takes only 30 to 60 seconds—can help improve bond strength while nearly eliminating patient postoperative sensitivity. Applying the MicroPrime G universal desensitizing agent from Zest Dental Solutions is that simple step. It can be used alone on cervical erosions and abrasion, or as an addition to bonding procedures—ideal for placing under vital crown preparations prior to luting or applying at the prep appointment to desensitize during temporization.

A Single Bottle to Success
What makes MicroPrime G so effective as a desensitizer is its HEMA-based formula, which helps bonding primers penetrate etched dentin. Tubules are sealed, providing immediate relief from pain due to hypersensitivity, and postoperative sensitivity is alleviated by allowing the adhesive to penetrate more easily and the dentin bond to become stronger.

For Dr. Marisol King, a dentist in Albuquerque, NM, relieving postop sensitivity is the greatest benefit of using MicroPrime G. She recently saw a new patient with cervical sensitivity due to recession beneath a crown. The patient assumed she would need to have her crown replaced, but that turned out not to be the case. "After treatment with MicroPrime G, the sensitivity resolved, and now her whole family comes to me because I am the only dentist who could solve her sensitivity issue without replacing her well-sealed, esthetically pleasing crown," said Dr. King.

Another advantage of MicroPrime G is its ability to inactivate MMP enzymes trapped in demineralized dentin. These MMPs have the ability to degrade the collagen layer when etching dentin, causing the adhesive bond to break down over time. But when placing MicroPrime G, these enzymes are inactivated, increasing the depth to which a prime and bond can penetrate dentin. Better yet, its desensitizing properties can last up to 10 years.

“MICROPRIME G IS A FAST, EASY STEP TO ADD TO YOUR WORKFLOW THAT WILL REALLY MAKE YOUR LIFE BETTER AS A CLINICIAN.”

Marisol King, DDS