

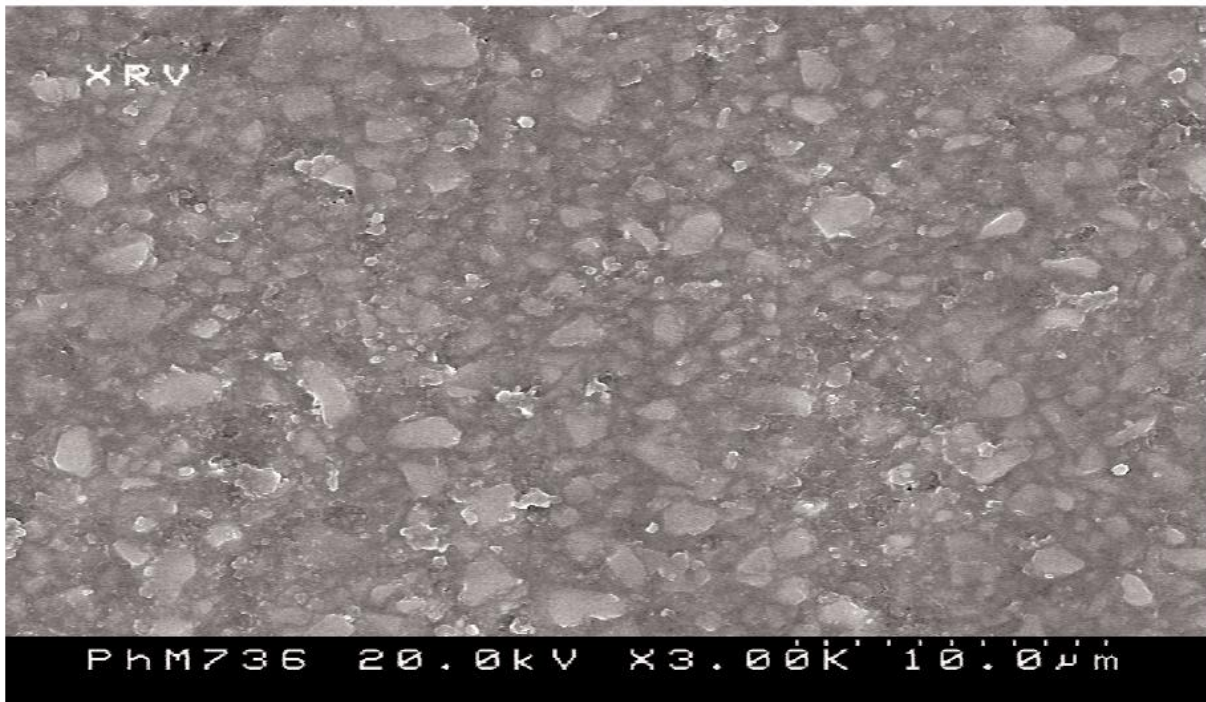
## Herculite® XRV Ultra™

Nanohybrids contain nanoparticles, much smaller filler particles in the range of approximately 5 to 100 nanometres, combined with conventional hybrid fillers. The resin matrix of Herculite XRV Ultra is the same as Herculite XRV with proven mechanical strength after curing, the same great color stability, and consistent clinical performance.

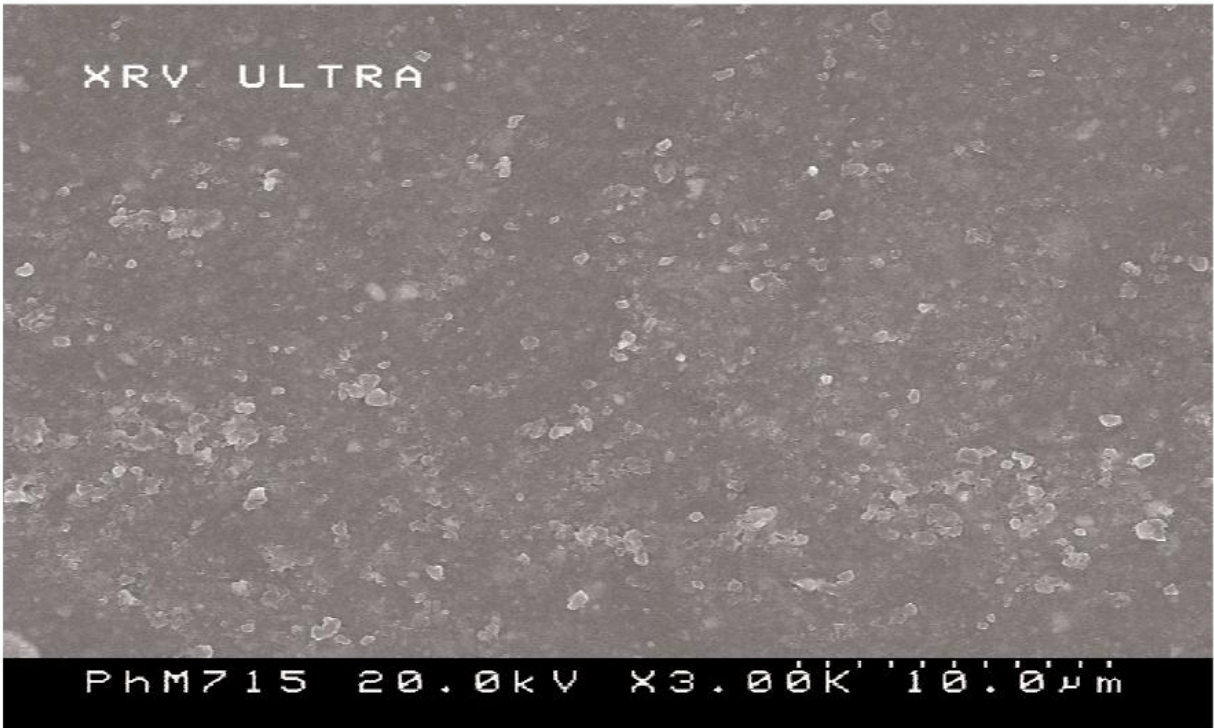
Three fillers—prepolymerized filler (PPF), nanoparticles (50 nm), and a submicron hybrid filler (0.4  $\mu\text{m}$ )—work in concert for the ultimate aesthetics and performance. The PPF particles wear more uniformly with the resin matrix, wear resistance is improved and the surface remains smoother and glossier over time.

### Surface gloss

XRV Ultra filler particles are smaller than the wavelength of visible light and retain a shiny clinical surface after long-term toothbrush wear. The PPF particles are the same composition as the paste and they meld into the surface.



Picture 1: Herculite XRV SEM after toothbrush wear.



Picture 2: Herculite XRV Ultra SEM after toothbrush wear.