

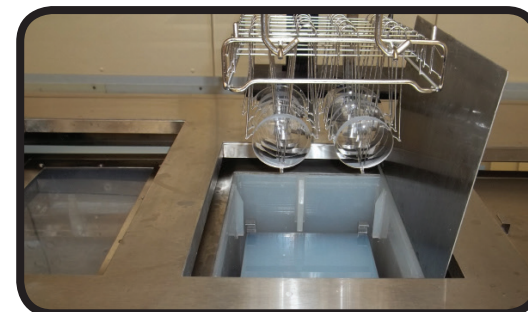
# What makes "Zero Scratches" different from other scratch coatings?

## **ZERO**Scratches™

Zero Scratches is a double-sided thermally cured scratch coating. It extends the life of patient's lenses by reducing scratches from every day use. It is a breakthrough in optical technology.



1. The lenses are submerged into an ultrasonic washing station. The water is purified to remove all trace minerals. When they are removed, the surface is free from water spots and imperfections.



2. The lenses are then transported to the primer bath where they receive a light coating of an adhesion material. This ensures the scratch coating will form a bond with any lens material.



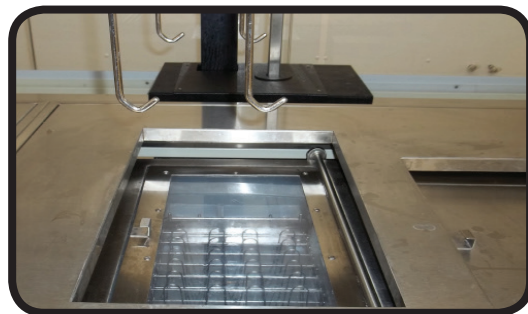
3. The robotic arm slowly lowers the lenses into the primer base coat solution. This slow insertion and removal guarantees a lens free from runs and drips.



4. Once the primer base coat is applied, the lenses are moved to a small thermal curing station. This allows the primer to bond successfully with the scratch coating solution.



5. Much like the primer step, the lenses are slowly lowered into the scratch coating solution.



6. The lenses stay immersed in the scratch coating solution for a full 5 minutes. During this time the solution is bonding to the primer.



7. Once again, the basket is moved to the pre-cure station for a quick thermal cure.



8. Finally, the lenses are thermally cured in a special oven for 2 hours. If you choose, AR or mirror coatings can be added at this point.