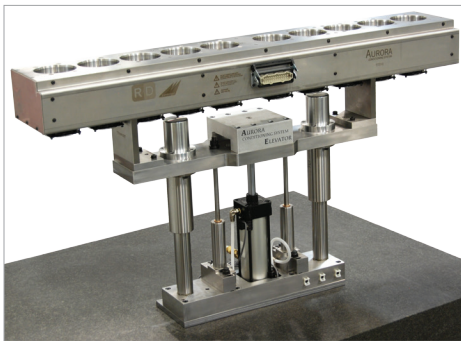
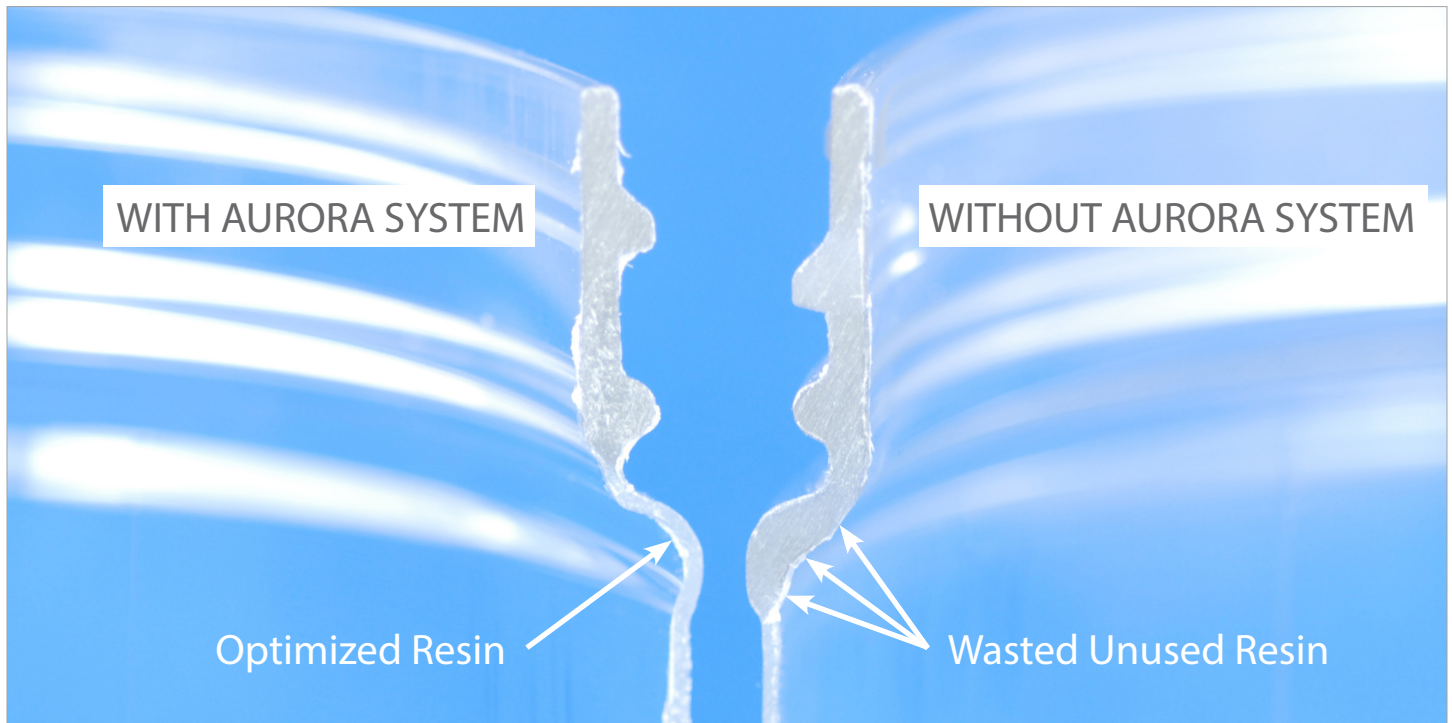


Aurora System



R&D/Leverage® introduces the Aurora System. This technology provides heating solutions in injection stretch blow molds. The Aurora System is designed to heat a preform in the location needed to produce a well formed bottle. The Aurora System heats plastic that is in the transitional neck area of a preform that forms the neck and upper shoulder region of a blown bottle.

This transitional neck area typically cools down because it is held in location by the thread split. This loss of heat in the preform results in the inability of the plastic to stretch and move properly from the neck and upper shoulder region of the blown bottle. The result is a bottle having a heavy ring of material in the neck and upper shoulder. This ring of material may create an inward bulge at the base of the neck. This bulge can interfere with a bottlers fill line and can be aesthetically displeasing.

This is an unnecessary use of material and over time can be costly to the bottler. The Aurora System redistributes this material to the body of the bottle. The result is the ability to run a bottle at a lighter weight with the same bottle performance specifications. The illustration above shows how resin is optimized using the Aurora System and comparing it with a bottle not using the Aurora System.

R&D/Leverage

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