

# SINGLE TEMPERATURE CONTROL FOR INJECTION MOLDS



*SINGLE TEMPERATURE ATT*

## **ADVANTAGES OF ALTERNATING TEMPERATURE TECHNOLOGY**

1. No visible seams or weld lines.
2. No distortion or deformation of components.
3. Decreased internal stress during compression molding of thick wall optical components.
4. Reproduction of mirror surface finish with ordinary resin or foam.
5. No appearance of glass or carbon fibers on the surface when processing reinforced plastics.
6. Permits molding of thin wall components.
7. Enormous shortening of cycle time for thick wall components.
8. Greater strength is achieved due to homogeneity in the part.
9. Up to 200 deg C (392 deg F) capability using water media and 300 deg C (572 deg F) using oil media.
10. Can do both the A & B sides of the cavity using water media with the included valve station.
11. Energy savings by reclaiming the hot water in its appropriate vessel, with an estimate of 70% heat reclamation.
12. See next page for example of a product run on both conventional and on heat-cool molding.



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## ADVANTAGES OF ALTERNATING TEMPERATURE TECHNOLOGY



Lexan 3413R

30% Glass Filled

Conventional Molding

Lexan 3413R

30% Glass Filled

Heat Cool Molding