

Healthcare

Ritemp advances in-mould cooling for both simple and complex part geometries. This improves cycle times, crystallization and dimensional stability of each part in single and multi-impession moulds. Shot-to-shot repeatability and reduced in-mold stress, improves product quality and production yield.

Less mould maintenance is required, water hoses are reduced, and investment in external water heaters is not required.



challenge

To improve cycle times, part quality, temperature balance across cavities and mould manufacture standardisation

current mould/ part characteristics

Current Cycle Time:9.7 sec

part details

Weight:8.2 g

Nominal Thickness:1.2mm

Mould config:2x32 – cavity

Material:PP

evaluation

1. Part analysis used to determine optimal curing time using Ritemp
2. Projected NEW cycle time reduction of 7.8 seconds

Ritemp™ benefits



24% reduction in cycle time



Excellent gate cooling



1.9 second per cycle savings



Condensation eliminated



Standardization of moulds



Rapid set up and start up