

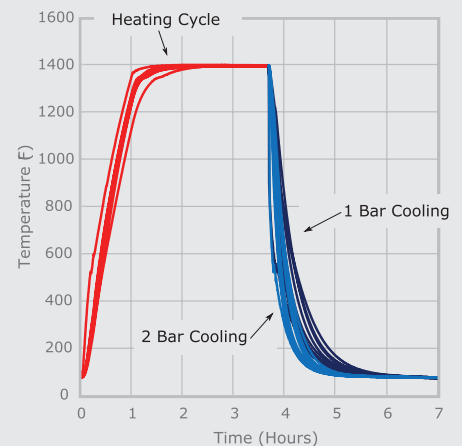
VacuDraw[®] High Performance Vacuum Purged Temper Furnaces



Surface Combustion is the only manufacturer in the industry to offer a low temperature vacuum purged tempering furnace. The design, featuring our patented wind flow, uniformly recirculates inert gas throughout the workload providing uniform heating and cooling. The advantages are:



- It frees up your high temperature vacuum furnace capacity for higher revenue cycles. Processing low temperature loads in a high temperature vacuum furnace under a vacuum is a waste of time and money
- It uses convection heating, decreasing floor to floor time versus a conventional high temperature vacuum furnace
- It will save you money on capital, operating, maintenance, and utility costs versus using a high temperature furnace for the same applications
- It is ideal for double and triple tempering required on some dies without wasting high temperature vacuum furnace capacity that is better spent on true high temperature vacuum jobs. These jobs can take up to 3 to 5 times longer for the heat up cycle in a high temperature vacuum furnace
- Hot wall insulation is much more thermally efficient than water cooled walls in conventional vacuum furnaces
- Equipment cost is approximately 2/3 of the high temperature furnace design
- This convection design is optimal for temperatures of 1400°F and below
- It is ideal for bright tempering, annealing, heat flattening, stress relieving, aging, and any thermal process operating at 1400°F and below
- Able to process bright loads without a diffusion pump
- Size Ranges: 36"-48"-36" to 60"-96"-60"



Optimal operating range is 350°F-1400°F

Typical cycle times can run 4-8 hours

**Contact Surface and
Let Us Help You Find The
Vacuum Solution To Fit
Your Processing Needs.**



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