

Application brief

Eclipse Product: Eclipse ThermAir Burners

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Application Rebuild four Pit Tempering Furnaces using Eclipse ThermAir Burners firing fixed air and modulating fuel only.

Fuel Type: Natural Gas

Results: The end user is Alcon Tool, Cleveland, OH. They manufacture cutting tools for the rubber industry. Alcon Tool owner, Mr. Charlie Rankin, reports a marked reduction in initial bring-up time, going from 2 hours to approximately ½ hour. Also, uniformity inside the furnace chamber is plus or minus 5° F. Most importantly however, he reports a dramatic increase in furnace temperature turndown. They are now able to reach 350° F, as well as 1,200° F in the same furnace. This enabled Alcon Tool to get rid of a low temperature stress relief oven/furnace and save additional money.

