

## Furnaces Tips

1. Check against infiltration of air: Use doors or air curtains
2. Monitor  $O_2$  / $CO_2$ / $CO$  and control excess air to the optimum level
3. Improve burner design, combustion control and instrumentation.
4. Ensure that the furnace combustion chamber is under slight positive pressure
5. Use ceramic fibres in the case of batch operations
6. Match the load to the furnace capacity
7. Retrofit with heat recovery device
8. Investigate cycle times and reduce
9. Provide temperature controllers
10. Ensure that flame does not touch the stock