

## **Furnaces**

- ◆ Check against infiltration of air: Use doors or air curtains.
- ◆ Monitor O<sub>2</sub> /CO<sub>2</sub>/CO and control excess air to the optimum level.
- ◆ Improve burner design, combustion control and instrumentation.
- ◆ Ensure that the furnace combustion chamber is under slight positive pressure.
- ◆ Use ceramic fibres in the case of batch operations.
- ◆ Match the load to the furnace capacity.
- ◆ Retrofit with heat recovery device.
- ◆ Investigate cycle times and reduce.
- ◆ Provide temperature controllers.
- ◆ Ensure that flame does not touch the stock.