

ENERGY CONSERVATION TIPS FOR FURNACES

TOTAL
ENERGY
CONSULTANT

- ✓ Check against infiltration of air: Use doors or air curtains.
- ✓ Monitor O₂ /CO₂/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.

