

# LABORATORY AND INDUSTRIAL OVENS

LO/IO Tmax- Ambient to 500°C

## LABORATORY / INDUSTRIAL OVENS

Tempens, Laboratory and Industrial ovens Series offered a range of precision electric ovens. They are designed for low temperature thermal treatment such as drying, heating and thermal testing in an air-flow assisted environment.

### Standard Features

- Capacity – 4 Liter to 14000 Liters
- Temperature uniformity throughout the chamber with Forced air convection
- Temperature range up to 500°C
- Digital PID temperature controller
- Safety controller for over-temperature protection
- Tubular Heaters/Nichrome are used as a heating element inside the oven for better uniformity

### Application of Furnaces

- Pipe annealing furnace for MI cable annealing.
- Wire annealing furnace for thermocouple alloy wire annealing.
- Conveyor mesh belt annealing furnace for tubular heater annealing.
- Conveyor mesh belt annealing with hydrogen environment furnace for brazing of copper contacts.
- Carbonization furnace for carbonization of coconut shell.
- Ashing furnace for volatile matters removal at high temperature.
- Vacuum furnace for gold/mercury evaporation.
- Chamber furnace for gold annealing.
- Bogie/Chamber Oven for Heat Treatment of steel.
- Bottom loading furnace for MgO beads sintering.
- Pit furnace for annealing of thermocouple alloys.
- Conveyorized oven for sleeve shrinkage in automobiles.
- Chamber oven for gas analyzer oven.
- Four pocket oven for class 10000 clean environment.
- Ovens for drying of MgO beads.
- High temperature chamber furnace for metal sintering.
- Oven for pre heat of die cast in aerospace.
- High temperature bottom loading oxidation furnace for ceramic/metal properties.
- High temperature test facility (2500 deg c) for UTM machine.



### Optional Features

- Provision for gas/vacuum purging application (Ar, N2, O2, H2, CO etc.)
- Programmable PID Controller with RS-232/RS-485/Ethernet & Data Logging Software
- Available in standard or as per customer size requirement



Laboratory Oven



Four Pocket Oven



Drying Oven



Oven For Gas Analyzer



Vacuum Oven



Oven