

The furnace is designed to work up to maximum temperature of 250°C-1200 °C. The main structure is made with high quality mild steel angles and the heating muffle of furnace is made of Stainless Steel grade. Outer body is made of CRCA sheets with neat powder coat finish. It consists of metal rollers/wheel for initial movement of material. The movement of roller is via VFD. Electric Conveyor mesh belt type furnaces are used for continuous heating purpose of large quantities of goods. Conveyor belt continuously rotate through the furnace electrically which poses the temperature (250°C to 1200 °C). Material to be heated is kept at one end on belt which passes through the furnace.



## **Optional Features**

- ✓ Provision for gas/vacuum purging application (Ar, N<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>, CO<sub>2</sub> etc.)
- ✓ Available in standard or as per customer size requirement
- ✓ Programmable PID Controller with RS-232/RS-485/Ethernet & Data Logging Software

## **Applications**

- ✓ Brazing of metal contact under protective atmosphere
- ✓ Annealing of wire , tube etc under protective atmosphere
- ✓ Sleeve shrinkage at low temperature
- ✓ Hardening, Stress Relieving, Sintering, drying etc

## **Standard features**

- Continuous heating purpose of large quantities of goods. Material to be heated is kept on Conveyor belt which continuously rotate through the furnace.
- Maximum temperature (ambient to 1150°C). The furnace is designed to operate with hydrogen atmosphere, cracked ammonia atmosphere, nitrogen and argon atmosphere.
- Specially designed corrugated muffles (metallic) are used to withstand thermal expansion for certain processes. Metallic muffles may be of stainless steel or high nickel and chromium based alloys.
- Energy efficient, Improve productivity and excellent repeatable heat treatment.
- A variable speed drive unit with widely adjustable belt speeds allows the treatment of different thicknesses of materials and grades with varying temperature-time requirements.
- In the cooling section, material will be indirectly air cooled, water cooled or forced-jet cooled depending upon the process requirement.
- It houses variable speed drive, PID controllers and thyristor power controller, data logger, dew point meter and oxygen analyzer and Gas flow measurement systems are provided to ensure atmosphere stability.

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