

TUNNEL OVEN



Introduction: -

We at GEM design, manufacture and export across world different range of tunnel ovens, entirely customized to fit for your process requirement, tunnel ovens at GEM are designed with any type of conveyor system, at selected and controllable conveyor speed; even we can accommodate your existing conveyor systems in such a way that it becomes integral part of tunnel oven. Based on the process requirement multiple heating zones can also be easily achieved, these heating zones can be controlled and refined from the digital control panel.

Tunnel oven can be designed with any type of firing mechanism such as Electric, Gas or Oil to achieve the operating temperature range from 1200C to 6500C. Each oven is carefully custom designed by properly selecting heating and cooling technology, heating and cooling zones and size and speed of conveyor and accordingly the length of the oven is selected properly.

Features: -

- High quality metal is used for interior depending on maximum temperature rating.
- High gauge exterior coverage to minimize the heat loses.
- Welded structural steel, channel base gives an inflexible gathering effectively moved whenever.
- Side pivoted entryways gave along oven length to get to work space and heat chamber.
- Adjustable dampers at each one end of heat zone can be situated close load to minimize heat misfortune from end
- Duct work removable for cleaning
- Control Panel
- Easy maintenance



Technical Specifications: -

Production	:	5000 Kg / Hr.
Machine Length	:	100 feet to 200 feet
Min. & Max Temperature	:	200° – 325° C
Type of Fuel used	:	Electric / Gas / Steam
Type of Baking	:	Direct / Indirect
Supply Voltage	:	415V, 3 Ph, 4 wire supply
Structure	:	Oven Body will be floating / modular Body type. The Body & the Conveyor will be mounted on a Heavy structure of 3.2 mm M.S. channel. The Inside Body will be 1.2mm thick SS Sheet & outside 1.2 mm CRCA thick. The Roller will be Seamless Steel Pipe with shaft on both ends mounted on self-lubricated Bush Bearing on Both end.
Drive	:	5 HP AC Induction motor with suitable Helical Gear Box with chain drive to main Roller Chain.
Paint	:	Structure suitable pre-treated, 2 coats of primer & suitable High temp Paint.
Insulation	:	Glass wool / Rock wool / Mineral Wool / 150 mm thick of 96 Kgs / mtr C
Blower	:	Main Exhaust 5 HP. centrifugal Blower top mounted indirectly driven.
Heating Chamber Fan	:	16 Nos. 1.5 HP axial blower top mounted indirectly driven

Application: -

Tunnel Oven is used for baking of products such as: -

- Biscuits
- Snacks
- Bread



10/C Middleton Row, Kolkata 700071, India

Ph.: 91-33-22177329, Cell: 91-9831173874

Email: sg@gemforgings.com / info@gemdryers.com

Website: www.gemdryers.com