

## INDUSTRIAL OVEN



### APPLICATION

- **Drying and Curing:** Used for removing moisture and curing coatings, paints, and adhesives.
- **Baking and Preheating:** Ideal for preheating metals, composites, and other materials before processing.
- **Heat Treatment:** Suitable for tempering, annealing, or stress-relieving metals.
- **Sterilization:** Used in pharmaceutical and laboratory environments for sterilizing equipment.
- **Powder Coating:** Curing of powder-coated parts and components.
- **Aerospace & Automotive:** For component testing, drying parts, and curing applications.
- **Electronics Industry:** Drying circuit boards and electronic assemblies.
- **Food Industry:** Dehydration, roasting, and baking processes.
- **Plastic & Rubber Industry:** For preheating molds and drying raw materials.

### KEY FEATURES

- **Heavy-Duty Construction:** Robust, durable design for continuous industrial use.
- **Uniform Heat Distribution:** Ensures consistent temperature throughout the chamber.
- **Digital Temperature Controller:** Accurate temperature control with PID microprocessor.
- **High-Temperature Range:** It Operates temp between 50°C to 250°C
- **Insulated Chamber:** Double or triple-layer insulation minimizes heat loss and enhances energy efficiency.
- **Air Circulation System:** Powerful blower for uniform airflow and faster drying/heating.
- **Safety Features:** Over-temperature protection, auto shut-off, and alarms.
- **Easy Maintenance:** User-friendly design for cleaning and servicing.



## TECHNICAL MATRIX

MODEL	PTE-IO-405 A	PTE-IO-405 B	PTE-IO-405 C	PTE-IO-405 D	PTE-IO-405 E
<b>INNER CHAMBER SIZE IN MM (W × D × H)</b>	900x600x600	900x900x900	1200x900x900	1500x900x900	1800x900x900
<b>FEET CONVERSION</b>	3 x 2 x 3	3 x 3 x 3	4 x 3 x 3	5 x 3 x 3	6 x 3 x 3
<b>CAPACITY</b>	324 LTRS	730LTRS	980 LTRS	1200 LTRS	1460 LTRS
<b>HEATING LOAD</b>	5.0KW	6.0 KW	7.0 KW	10.0 KW	10.0 KW
<b>TEMP. RANGE</b>	50°C to 250°C				
<b>TEMP. CONTROLLER</b>	By Microprocessor Based PID Digital Temperature Indicator cum Controller.				
<b>TEMP. SENSITIVITY</b>	+2°C Or Better				
<b>AIR CIRCULATION</b>	By forced convection system				
<b>HEATERS</b>	U – Shaped Elements or L type Fringed				
<b>MOTOR</b>	Industrial heavy motor of 1440 RPM				
<b>RELAY</b>	Solid state electronic relay with protective heat sink / Contractor				
<b>SUPPLY</b>	Mainly 440 Volts Three Phase				

## OPTIONAL ADD-ONS

Digital timer of 9999 digits  
 HMI PLC touch display  
 Extra Air Circulation Motor  
 Extra perforated and wire mesh trays  
 Rack and trolley  
 Other customizations are also available with us