CONVEYOR & CONTINUOUS OVENS

Screw Conveyor Oven

Zoned heating chamber built around a screw conveyor to heat or oxidise powders and granules.



TEMPERATURE
Up to 550°C (200–500°C working)

HEATING
Gas (LPG/PNG) or electric

INDUSTRIES
Lead oxide and metal powders, chemicals, minerals

Specifications

Chamber width	to match screw conveyor (e.g. 900 mm for twin 12 inch screws)
Zones	pre-heat, mid and final heating, each about 2,000 mm
Cooling section	about 3,000 mm
Maximum temperature	550°C
Working temperature	200°C to 500°C
Heating	one LPG/PNG burner per zone, or electric heaters
Air circulation	1 HP fan per zone
Control	multi-zone digital PID, ±1°C
Insulation	200 mm
Screw conveyor	customer scope unless agreed

Features

- Material is heated while it moves
- Separate temperature control in each zone
- Forced-air circulation in every zone
- Burner or electric heating
- Chamber built to match your screw dimensions
- Cooling section before discharge

Applications

- Oxidation of metal and oxide powders
- Roasting of granules
- Drying of powders and fine materials
- Pre-heating of granules before processing
- Chemical and mineral processing