COATING & PAINT CURING OVENS

Non-Stick Curing Oven

Multi-zone conveyor oven for curing non-stick coatings on fry pans, tawas and kadhais, up to 550°C.



TEMPERATURE
Up to 550°C

HEATING
Electric or gas (LPG/PNG/CNG)

INDUSTRIES
Utensils and cookware, non-stick cookware

Specifications

Maximum temperature	550°C
Working range	200–500°C, zone by zone
Zones	pre-heat, 1–5 heating zones, cooling (3–4 standard, up to 7)
Electric heating	60–140 kW; LPG/PNG burner option
Example line	24 kW pre-heat + 120 kW main, 12,000 mm heating length
Conveyor	AISI 304 wire-mesh belt, DC/VFD variable-speed drive
Airflow	one circulation fan per zone (1 HP)
Insulation	200 mm
Controls	zone-wise digital PID with thyristor

Features

- Independent temperature control in every zone
- Variable belt speed to set cure time
- Cooling zone so pans leave ready to handle
- End-of-cycle and fault alarms with hooter
- Stainless-steel mesh belt for high temperature
- Electric, LPG or PNG heating

Applications

- Curing non-stick topcoats on fry pans and tawas
- Sintering coatings on kadhais and sauce pans
- Curing multi-coat systems on aluminium cookware
- Curing coatings on bakeware and grill plates
- Curing coated pressure-cooker lids and parts