CONVEYOR & CONTINUOUS OVENS

Mesh-belt Conveyor Oven

Continuous oven with a stainless steel wire-mesh belt carrying small and medium parts through one or more heating zones.



TEMPERATURE
Up to 650°C

HEATING
Electric, gas (LPG/PNG/CNG) or dual fuel

INDUSTRIES
Fasteners, springs, electronics, food

Specifications

Belt	SS-304 wire mesh, 250 to 900 mm wide (custom)
Maximum temperature	up to 550°C
Zones	pre-heat, heating, cooling; 1 to 7 controlled zones
Heating	electric 18 to 144 kW, or LPG/PNG burners
Air circulation	1 HP fan per zone
Drive	variable-speed AC, DC or VFD gear motor
Control	digital PID with thyristor, ±1°C at set point
Insulation	75 to 200 mm mineral wool and ceramic fibre
Warranty	one year on manufacturing defects (elements and consumables excluded)

Typical reference builds

Build	Load	Working size (W x D x H)	Temperature	Heating
Compact	~50 kg/hr	300 mm belt × 4,000 mm heated length	up to 250°C	Electric or LPG
Standard	~200 kg/hr	600 mm belt × 8,000 mm heated length	up to 450°C	Electric or PNG/LPG
Heavy-Duty	~500 kg/hr	900 mm belt × 14,000 mm heated length	up to 550°C	Electric, PNG or dual-fuel

Indicative only: chamber size and heating load (kW or burner rating) are engineered to your load, cycle and site supply.

Features

- Even heating through the open belt
- Independent temperature control per zone
- Variable belt speed to set dwell time
- Cooling section before unloading
- Electric, gas or dual fuel
- Burner-fail alarm on gas models
- Proven on utensil, coating and packing lines

Applications

- Stress relieving of springs and clips
- Curing of coatings on small parts
- Drying after washing or plating
- Tempering of fasteners and stampings
- Preheating of small components