COATING & PAINT CURING OVENS

Powder Coating Oven

Batch trolley or walk-in oven for curing powder-coated parts at 160–200°C. Electric, LPG, PNG or CNG.



TEMPERATURE
Up to 250°C

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

INDUSTRIES
Powder coating shops, fabrication, furniture, electrical enclosures

Specifications

Design temperature	250°C
Working range	50–200°C
Cure	typically 160–200°C metal temperature, per powder data sheet
Example chamber	5,200 × 1,250 × 1,800 mm (built to your part size)
Gas heating	LPG/PNG/CNG burner in a separate firing chamber
Airflow	5 HP blower with 4 circulation fans (example build)
Insulation	100 mm glass/mineral wool
Controls	PID; data logger optional
Loading	trolley or hanging rack

Typical reference builds

Build	Load	Working size (W x D x H)	Temperature	Heating
Compact	150 kg batch	1,500 × 1,200 × 1,500 mm	180–200°C	Electric or LPG
Standard	400 kg batch	3,000 × 1,500 × 1,800 mm	180–220°C	Electric, PNG/LPG or dual-fuel
Heavy-Duty	1,000 kg batch	5,200 × 1,500 × 2,100 mm	180–230°C	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

- Indirect firing keeps flue gas off the powder film
- Even airflow from floor to roof for uniform cure
- Trolley or walk-in loading for mixed part sizes
- Burner management with flame-failure alarm
- Exhaust damper to remove fumes during cure
- Optional profiling and data logging

Applications

- Curing powder on fabricated steel and aluminium parts
- Job-shop powder coating of mixed batches
- Curing powder on gates, grills and furniture frames
- Curing powder on electrical panels and enclosures
- Curing powder on utensils and appliance parts