HEAT TREATMENT OVENS

Welding Preheat Oven

Oven for preheating parts before welding to prevent cracking in thick or alloy sections.



TEMPERATURE
Up to 400°C

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

INDUSTRIES
Fabrication, boilers, heavy engineering

Specifications

Working temperature	up to 400°C
Carbon steel preheat	about 100°C to 200°C
Alloy steel preheat	about 200°C to 350°C
Loading	bogie, trolley or crane
Heating	electric or gas fired

Typical reference builds

Build	Load	Working size (W x D x H)	Temperature	Heating
Compact	500 kg batch	1,500 × 1,000 × 1,000 mm	100–200°C	Electric
Standard	2,000 kg batch	2,500 × 1,500 × 1,500 mm	up to 350°C	Electric or PNG/LPG
Heavy-Duty	6,000 kg batch	4,500 × 2,500 × 2,000 mm	up to 400°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

- Even preheat through thick sections
- Placed near the weld bay to limit heat loss
- Bogie, trolley or crane loading
- Holding mode for interpass temperature
- Simple temperature display for the welder

Applications

- Pressure vessel and boiler components
- Thick plate and heavy fabrication
- Chrome-moly piping spools
- Hardfacing and repair welding
- Castings before weld repair