HEAT TREATMENT OVENS

Ingot Preheating Oven

Oven that preheats aluminium and non-ferrous ingots before melting to save fuel and remove moisture safely.



TEMPERATURE
Up to 500°C

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

INDUSTRIES
Foundries, die casting

Specifications

Working temperature	up to 500°C
Typical preheat	150°C to 500°C
Heat source	waste flue gas with support burner
Loading	stacked ingots on hearth or bogie
Heating	gas fired (LPG/PNG/CNG)

Features

- Dries and warms charge before melting
- Can use waste heat from the furnace flue
- Hearth, bogie or ramp loading
- Simple controls for continuous foundry use
- Reduces melting time and fuel

Applications

- Aluminium foundries and die casters
- Zinc and lead alloy melting
- Returns and scrap before charging
- Holding furnace top-up charges
- Any molten metal charging operation