REHEATING & FORGING FURNACES

Rod Heating Furnace

Gas or electric furnace that heats steel rods, bars and billet ends to forging temperature.



TEMPERATURE
Up to 1,250°C

HEATING
Gas (LPG/PNG/CNG) or electric

INDUSTRIES
Steel forging, fasteners, bar processing, engineering

Specifications

Forging temperature	up to 1,250°C (1,200°C operating)
Electric example	450 × 450 × 550 mm chamber, 18 kW, 415 V 3-phase
Elements	Kanthal A1 on refractory supports
Gas heating	automatic LPG/PNG/CNG burners
Roof	230 mm ceramic fibre (fuel-fired designs)
Walls and hearth	230 mm insulation brick
Flue	down-draft chimney with damper
Controls	PID with thyristor; tested accuracy within ±4°C
Charging	slot or hearth charging for full rods or rod ends

Features

- Fast, even heating to forging temperature
- Less scale than open liquid-fuel firing
- End-heating slot for upsetting and bolt heads
- Automatic burners with flame safety
- Electric option for smaller sections
- Inspection report with temperature test

Applications

- Heating rod ends for bolt and fastener forging
- Heating bars for upsetting and hot bending
- Heating billets and blanks for drop forging
- Heating slabs and plates for forming
- Heating bars for hot rolling and drawing