REHEATING & FORGING FURNACES

Billet and Forging Reheating Furnace

Gas fired and electric furnaces to heat billets and blanks to forging, extrusion or rolling temperature.



TEMPERATURE
Up to 600°C (aluminium); up to about 1,200°C (steel)

HEATING
Gas (LPG/PNG/CNG) or electric

INDUSTRIES
Forging, aluminium extrusion, brass hot stamping, rolling mills

Specifications

Aluminium billet conveyor	350 mm, 8,000 mm heating zone
Aluminium billet temperature	up to 600°C
Example output	1 billet/min of 65 mm diameter
Steel billet furnaces	up to about 1,200°C
Electric forging furnace	1,250°C max, 18 kW, Kanthal A1
Burners	LPG/PNG/CNG, under-conveyor or side firing
Insulation	150 to 250 mm ceramic fibre and insulation brick
Flue	down-draft chimney with damper
Control	automatic, PID with thyristor on electric models

Features

- Even heating of billets and blanks
- Continuous conveyor or batch designs
- Variable speed to match press or mill
- Gas or electric heating
- Low thermal mass ceramic fibre lining
- Inspection report with temperature test

Applications

- Aluminium billets before extrusion or forging
- Steel billets before hot forging
- Brass and copper blanks before hot stamping
- Bar ends and blanks for upsetting
- Pre-heating before rolling