MELTING FURNACES

Non-Ferrous Melting Furnace

Gas or electric melting furnace for aluminium and non-ferrous scrap and ingots, 100–1,000 kg per charge.



TEMPERATURE
Up to about 800°C (aluminium)

HEATING
Gas (LPG/PNG/CNG) or electric

INDUSTRIES
Aluminium circles and sheet, utensils, foundries, recycling

Specifications

Capacity	100–1,000 kg per charge (500 kg most common)
Aluminium working temperature	up to about 800°C
Lining	115 mm sillimanite/high-alumina fire brick + 230 mm insulation brick, or 200 mm ceramic
Heating	automatic LPG/PNG/CNG burners, or electric
Burner safety	flame failure cut-off, automatic ignition
Controls	automatic temperature control with thermocouple
Types	stationary bale-out or tilting
Options	dross extraction system, fume hood

Features

- Fast melting with automatic gas burners
- High-alumina lining resists molten aluminium
- Automatic temperature control avoids overheating
- Flame safety on every burner
- Stationary or tilting designs
- Pairs with our dross extraction system

Applications

- Melting aluminium ingots for circle and sheet casting
- Melting aluminium scrap for re-casting
- Melting for gravity and die casting
- Melting utensil scrap and returns
- Holding molten aluminium for casting