HEAT TREATMENT OVENS

Wire Annealing Oven

Oven for annealing coils of wire to restore ductility after drawing.



TEMPERATURE
Up to 700°C

HEATING
Electric; gas (LPG/PNG) on request

INDUSTRIES
Wire drawing, cables

Specifications

Working temperature	up to 700°C
Steel wire	about 650°C to 700°C
Copper wire	about 250°C to 550°C
Aluminium wire	about 300°C to 400°C
Heating load	90 kW (3 × 30 kW) or 120 kW (3 × 40 kW); larger on request
Insulation	250 mm ceramic wool
Circulation	450 mm SS-304 lid fan, 2 HP, water-cooled bearing
Pot and charge carrier	stainless steel, made to coil size
Control	automatic on/off with soak timer and hooter; PID with SCR optional
Atmosphere	air, nitrogen or other protective gas

Features

- Heating that reaches the centre of dense coils
- SS pot and charge carrier supplied as a set
- Lid fan with water-cooled bearing housing
- Three-zone wall heating for even temperature
- Sealed pot or cover for protective atmosphere
- Soak timer and hooter at cycle end
- Replacement pots, carriers and spares available

Applications

- Binding and baling wire
- Wire between drawing stages
- Copper and aluminium conductor wire
- Wire for mesh, nails and fasteners
- Welding wire and spring wire processing