HEAT TREATMENT OVENS

Pit Type Annealing Furnace

Top-loading pit furnace with SS pot and charge carrier for annealing wire coils and strip coils.



TEMPERATURE
Up to about 700°C (alloy dependent)

HEATING
Electric; gas (LPG/PNG) on request

INDUSTRIES
Wire drawing, cables and conductors, welding consumables, metal strip

Specifications

Construction	MS shell with SS inner pot
Heating load	90 kW (3 × 30 kW) or 120 kW (3 × 40 kW); up to 160 kW for large pits
Heaters	sealed heaters or Kanthal coil on inner walls
Insulation	200 to 250 mm ceramic wool and mineral wool
Circulation	450 mm SS-304 lid fan, 2 HP, water-cooled bearing housing
Charge carrier	SS, made to coil size
Lid	crane or hydraulic lift-and-swing
Control	automatic on/off or PID with SCR, soak timer and hooter
Typical cycle	about 4 hours (charge dependent)

Features

- Top loading for heavy coils
- SS pot and charge carrier supplied as a set
- Lid-mounted fan for even heating of dense coils
- Three heating zones on the wall
- Water-cooled fan bearing for long life
- Replacement pots and carriers available
- Door switch and heater protection

Applications

- Aluminium wire and rod coil annealing
- Copper and steel wire annealing
- Welding wire annealing
- Strip coils and binding wire
- Electrical stampings and small coils