BATCH & WALK-IN OVENS

Top-loading Pit Oven

Vertical oven set into or above the floor and loaded from the top by crane.



TEMPERATURE
Up to 650°C

HEATING
Electric; gas (LPG/PNG) on request

INDUSTRIES
Shafts, tubes, springs, heavy engineering

Specifications

Example work basket	2,200 × 1,500 × 1,700 mm
Heating load	160 kW (large); 90 to 120 kW (wire coil pits)
Heaters	Kanthal coil on side-wall refractory
Baffle	2.5 mm SS-304
Circulation	lid fan, 2 HP, water-cooled bearing housing
Construction	5 mm steel plate, 10 mm top plate
Insulation	200 mm mineral wool and ceramic wool
Lid	hydraulic lift-and-swing
Control	programmable controller, SCR, multi-meter, door switch

Features

- Top loading by crane for heavy and long parts
- Hydraulic lift-and-swing lid
- Baffle wall for even, indirect heating
- Lid-mounted circulation fan
- SCR heater control
- Door safety switch

Applications

- Tempering and stress relieving of shafts
- Ageing of aluminium extrusions and tubes
- Heating of long springs and bars
- Drying of long wound components
- Preheating of rolls and cylinders