

2. High-temperature electric furnaces

2.2 Chamber furnaces with a removable hearth up to 1300 °C

Industrial electric furnaces with a removable hearth are designed for more comfortable loading and built from high quality materials to withstand heavy loads. The ceramic or heat resistant metal hearth plate is manually removable, but can be fitted with an electromechanical reducer for effortless removal. Fit with a selection of precise digital controllers and certified heating elements to ensure excellent temperature stability. This range of furnaces can be applied for hardening, normalising, stress relieving, and other thermal treatment processes up to 1300 °C.

Base model

- Equipped with non-programmable controller Omron E5CC
- Manually removable hearth on rails
- Control panel on the left/right side (depending on customer needs)
- Ceramic bottom plates
- Adjustable air supply/extraction
- Vent on top
- Heating elements wrapped on ceramic tubes
- Thermal insulation made from refractory bricks and fibre
- Outside casing – metal sheet, powder painted grey (RAL 7035), frame – black
- Door opening to left/right side (depending on customer needs)
- Low power consumption
- Short heating/cooling time
- High level of accuracy
- Door safety switch
- OTP (over temperature protection), Omron K8 relay
- SSR relay
- 1 year warranty

Optional equipment

- Manually liftable door
- Electromechanically lifting door
- Electromechanically removable hearth on rails
- Turning platform for loading and unloading
- Heat resistant metal hearth plate up to 1150 °C
- Digital timer
- Data recorder
- Data communication/USB
- Calibration and maintenance of temperature measurement system
- Stainless steel furnace exterior
- Additional 1 year warranty

