

RAPIDHEAT FURNACES

Rapid Heat Systems specialize in producing furnaces for stress relieving, normalizing, preheating, austenitizing, pearlitizing, ferritizing, softening and normalizing. The main furnace types are fixed, moveable and temporary modular furnaces. Heating method is either electric or gas.

Furnaces are tailor-made to meet customers' needs; Top-hat furnaces, Furnaces with pivot door, Chamber furnaces, Convection furnaces, Car bottom furnaces. Location, environmental conditions, heat treatment method and loading all affect the choice of furnace.

The RapidHeat Control System is the most reliable for heat treatment in furnaces. The alarm system allows heat treatment to be carried out without continuous supervision. The software has an alarm system, which provides information on failures, eg. sensor fault, power cut, high and low temperature and communication errors. All process data are also saved in a log-file for subsequent analysis.

Heat treatment certificates are printed on a normal office printer on A4 paper. The results of heat treatment work are saved on the hard disk, CD or floppy disk and a new copy of the certificate can be printed out whenever required. Documentation is clear, fast and easy.

THE RAPIDHEAT CONTROL SYSTEM IS THE MOST RELIABLE FOR HEAT TREATMENT IN FURNACES



FIXED FURNACES

When selecting type of the furnace, the location, environmental conditions, heat treatment method and loading all affect the choice of type. After giving description of demands for the heat treatment, Rapid Heat Systems will help to select right type of the furnace.



MOBILE FURNACES

When the production has special demand to enable to move the furnace from a place to another, a mobile furnace is needed. Construction of the furnace depends of heat treatment requirements.



TEMPORARY FURNACES

The heat treatment of large workpieces often has to be carried out on site. The transportation of large workpieces in stationary furnaces is a costly, time-absorbing and sometimes impossible operation. In such cases, a temporary furnace can be built from modular furnace elements - on the site or in a production bay.

Rapid Heat Systems' modular furnace system makes it possible to carry out on site heat treatment of large components, such as spherical tanks, gas tanks or columns. The size of the furnace can be specified in 1000 mm modules.