

Furnace



A furnace is a chamber, capable of holding the material to be treated, to which heat is applied so as to achieve the required final results. Furnace uses a heat source to heat a sample within the furnace chamber. Convective heat transfer is the process used to heat the furnace.

Within the laboratory, furnaces are very versatile tools and are used for a wide range of applications. Typical applications include annealing, which is a process that improves ductility and malleability in metal samples. It can also be used for polymer curing and polyimide baking. Furnaces are ideal for heat treating, reacting studies, sintering processes, and ceramic firing.

For charging and staff in-charge information, please refer to the [charges for the use of instrument](#).