



Unit 19 Heat treatment

Task 04

Announcer: Listen and note the 5 heat treatment techniques mentioned.

Narrator: Hello everybody. Today we are going to talk about heat treatment. Heat treatment is a group of industrial and metalworking processes which we use to change the physical, and sometimes also the chemical properties of a material.

Heat treatment involves the use of heating or chilling, normally to extreme temperatures, in order to achieve a desired result such as hardening or softening of a material. Heat treatment techniques include annealing, case hardening, tempering, normalizing and quenching.

We use the term heat treatment only for processes where the heating and cooling are done for changing properties on purpose. We don't use the term heat treatment when heating and cooling occur during other manufacturing processes such as hot forming or welding.