

Vacuum Tempering Furnace

Model:RVT-141435



Usage & Features

Model RVT-141435 High Vacuum Tempering Heat treatment furnace is a single chamber horizontal type. It is used for the tempering heat treatment process with the convection heating.

Control system consists of PLC control and Intelligent temperature controller to control temperature, which is accuracy and high degree of automation. It can enable automatic / manual switch without disturbance, simple and reliable operation, energy saving, pollution-free to the environment.

Model RVT-141435 tempering furnace is applied for tempering, annealing and aging process of tool steel, die steel, high speed steel. After the heat treatment process, the work piece surface is light with small deformation.

Technical indexes

Furnace : Horizontal , single opening door

Loading capacity: 3000kg

Uniform temperature zone size (WxHxD) : 1400×1400×3500mm

Ultimate vacuum degree(empty & cold condition, after drying and degassing) : 10⁻⁵mbar

Pressure rising rate : ≤0.5Pa/h

Max. Design temperature : 900°C

Working temperature : 600°C-800°C

Temperature uniformity(vacuum, empty, 800°C, after heating preservation) : ±8°C (9 points)

Temperature control accuracy : ±1°C

Heating power : 600kW

Total power: 660kW

Max. Pressure rising rate(Absolute pressure) : 0.10MPa

Cooling method : Vacuum cooling, air cooling