

Vacuum Hot Press Sintering Furnace

Model: RHV-50



This equipment mainly usage is doing powder hot press forming process under vacuum (or inert gas atmosphere), high temperature condition, make high quality big size base composite shielding material, it use vacuum induction hot pressing process.

Main index:

Ultimate vacuum degree: $\leq 6.67 \times 10^{-3}$ mbar (furnace in cold & empty condition)

Pressure rising rate: < 6.67 Pa/h (furnace in cold & empty condition)

Intermediate frequency power rated capacity: 100Kw (auxiliary facilities not included)



Max design temperature: 1600°C; working temperature: 1500°C

Temperature control accuracy: $\leq \pm 1^\circ\text{C}$

Max working pressure: 50T

Pressure & displacement displayed by digital displayer; it has delay, pressure, steady pressure, double direction pressure functions.

Unloading method: top unloading

Charging gas: user can charge N gas or inert gas as protection gas.

Water consumption for each batch cooling: 5~10T/h

Furnace structure:

This furnace assembled by top lid, furnace body, top/bottom water cooling pressure head, high strength backing brick, sensor, heater, temperature measuring system, water cooling system, vacuum system, SCR power, electric control system, hydraulic system, work platform, it has compact structure, easy operation, easy maintain features.