

## Vacuum Sintering Furnace

**Model: RVS-8812**



RVS series vacuum sintering furnace applied for SiC, B4C and other product sintering process, it has vacuum system and gas circulation cooling function, high work effect.

The control system was controlled by PLC, temperature controlled by intelligent temperature controller, manual model or auto model can reach undisturbed switches, high automatic control, easy operation and very reliable.

### **Technical parameter:**

1. Type: Single-room, horizontal-type, external circulation, front-back door
2. Charging: 800kg
3. Ultimate vacuum (cold empty furnace condition):  $5 \times 10^{-3}$  mbar

4. Working vacuum:  $5 \times 10^{-2}$  mbar
5. Pressure rising rate (cold furnace condition):  $\leq 0.67$  pa/h
6. Maximum design temperature:  $1750^{\circ}\text{C}$
7. Working temperature:  $500-1730^{\circ}\text{C}$
8. Temperature uniformity(vacuum, empty,  $1000^{\circ}\text{C}$ , 5 points temperature measuring):  $\pm 5^{\circ}\text{C}$
9. Uniform zone size (W×H×L mm):  $800 \times 800 \times 1200$  mm
10. Heating power: 360 KVA
11. Total power: 400 KVA
12. Temperature control mode: Intelligent programmable temp controller
13. Control method: PLC Auto / Manual interlocking
14. Max charging pressure (absolute pressure): 0.18MPa

**Furnace structure:**

RVS model vacuum sintering furnace was assembled by vacuum system, shell, heating chamber, control system, cooling system, water cooling system, air charging & degassing system, pneumatic system & temp measurement system and skip car.