

Vacuum Sintering & Debinding Furnace

Model: RVS-D5510



This vacuum furnace applies to stainless steel, tungsten, molybdenum and W-Mo alloy materials or debinding and sintering process.

Technical paramater:

1. Type: Horizontal type, front feeding
2. Feeding chamber size(WxHxL mm): 500x500x1000 mm
3. Maximum working temperature: 1500℃

4. Heating power: 180KVA
5. Temp control method: Auto temp control / Manual
6. Temperature uniformity: $\pm 5^{\circ}\text{C}$ (vacuum, empty furnace)
7. Temperature control precision: $\pm 1^{\circ}\text{C}$
8. Ultimate vacuum: 0.2×10^{-2} mbar (cold furnace condition)
9. Pressure rising rate: ≤ 0.67 pa/h (cold furnace condition)
10. Cooling method: Internal circulation cooling
11. Atmosphere source: High purity N₂ / Ar
12. Max charging pressure: 0.21MPa (absolute pressure)
13. Gas charging & degassing mode: Auto charging & degassing
14. Temp rising rate: ≤ 75 min (empty furnace 1500°C)
15. Operation mode: Auto/manual
16. Protection measures: Over temp, over pressure, under-voltage alarm, Anti-misoperation interlock protection

Furnace structure:

Vacuum sintering and dedinding (dewaxing) furnace was assembled by vacuum system, shell, heating chamber, debinding system, control system, water cooling system, gas charging & degassing system, pneumatic system, temperature measuring system and wind cooling system.