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

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4. Heating power: 180KVA
5. Temp control method: Auto temp control / Manual
6. Temperature uniformity: ±5°C (vacuum,empty furnace)
7. Temperature control precision: ±1°C
8. Ultimate vacuum: 0.2x10⁻²mbar (cold furnace condition)
9. Pressure rising rate: ≤0.67pa/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: ≤75min (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.