

Debinding / Dewaxing furnace

Category: **DEBINDING AND SINTERING FURNACE**

Tags: Debinding furnace, Dewaxing furnace, Sintering furnace, Vacuum sintering furnace, Overpressure sintering furnace



Application field

Special equipment for removing molding agents (such as rubber, polyethylene glycol, paraffin, etc.) from powder metallurgy products and pre-sintering the products. The results are improving material quality, such as density, strength, durability, and hardness of hard metals, cermets, and other powder metallurgy materials.

1. Some products that need to be semi-inspected or processed before final sintering
2. Large products with long debinding time or extruded products with high molding content
3. Or to improve the utilization rate of pressure sintering furnaces.

Characteristics:

1. The horizontal inner circle and the outer square structure are made of heat-resistant stainless steel circular liner, the square outer furnace shell is lined with an aluminum oxide fiber insulation layer, and the nickel-chromium resistance wire is hung on the outer side of the liner.
2. The front end of the furnace liner has a single door, it inserts the thermocouple into the furnace liner from the rear end, and the wax discharge pipe is led out from the middle and lower part of the back end.
3. An external cooling fan is equipped to speed up the cooling speed.
4. The plant is assembled before shipment, and all functions are tested in detail. Therefore, assembly and commissioning at Buyer's site can be performed within a very short time.

Technical parameters:

Model	Effective Zone (mm)	Effective Volume (L)	Max. Temperature (°C)	Capacity (kg)
CNEQPS-DF35150	350*350*1200	168	850	300
CNEQPS-DF40120	400*400*1200	192	850	400
CNEQPS-DF50120	500*500*1200	300	850	500
CNEQPS-DF50190	500*500*1900	475	850	900
CNEQPS-DF55120	550*500*1200	330	850	550

Functions of debinding furnace:

1. Flow H₂ positive pressure dewaxing method (unique uniform atmosphere control method);
2. H₂ or inert gas pre-sintering;
3. Quick cooling;
4. Fully automatic control and friendly human-computer interface.



www.chinaequips.com

E-mail: Yalei@cnequips.com

Tel: +86 18173379676