

Vacuum Hot Press Furnace Machine Heated Vacuum Press Tube Furnace

Item Number: KT-VTP



Introduction

Discover KINTEK's advanced Vacuum Tube Hot Press Furnace for precise high-temperature sintering, hot pressing, and material bonding. Customizable solutions for labs.

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Hydraulic press	<p>Working pressure: 0-30Mpa</p> <p>Travel distance: Pressure stability: $\leq 1\text{MPa}/10\text{min}$</p> <p>Pressure meter: Digital pressure gauge</p> <p>Drive solution: Electric drive with standby manual drive</p>
Vertical split furnace	<p>Working temperature: $\leq 1150^{\circ}\text{C}$</p> <p>Heating element: Ni-Cr-Al resistance wire with dipped Mo</p> <p>Heating speed: Hot zone length: 300mm</p> <p>Constant temperature zone: 100mm</p> <p>Controller: Touch screen with PID thermal controller</p> <p>Rated power: 2200W</p>
Vacuum furnace tube	<p>Tube material: Quartz tube(Optional Alumina/Nickel alloy)</p> <p>Tube diameter: 100mm(Optional 120/160mm)</p> <p>Vacuum sealing: SS flange with silicon O ring</p> <p>Flange cooling method: Inter layer water circulating cooling</p>
Graphite pressing die	<p>Die material: High purity graphite (Graphite must work under vacuum to prevent oxidation)</p> <p>Pressure rod diameter: 87mm</p> <p>Sleeve die size: 55mm OD/ 50mm Height</p> <p>Die inserts: OD22.8 x ID20.8</p> <p>Pushing Rod: 12.7mmOD/40mm Height</p> <p>Other sizes die can be customer made</p>
Vacuum pump setup	<p>Rotary vane pump vacuum is up to 10⁻² torr</p> <p>Turbo pump station vacuum is up to 10⁻⁴ torr</p>
Electric power supply	AC110-220V, 50/60HZ