

Ultra-High Temperature Graphite Vacuum Graphitization Furnace

Item Number: GF-09



Introduction

The ultra-high temperature graphitization furnace utilizes medium frequency induction heating in a vacuum or inert gas environment. The induction coil generates an alternating magnetic field, inducing eddy currents in the graphite crucible, which heats up and radiates heat to the workpiece, bringing it to the desired temperature. This furnace is primarily used for graphitization and sintering of carbon materials, carbon fiber materials, and other composite materials.

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Power supply capacity	60KVA
Power supply	4000-8000Hz (automatic tracking)
Temperature	3000°C
Temperature control accuracy	±2°C
Temperature measurement method	1100°C-3000°C
Effective working area size	Φ200×200 mm (diameter×height)
Cold ultimate vacuum degree	133Pa
Pressure rise	3.0 Pa/h
Protective atmosphere	Argon Nitrogen
Inflation pressure	≤ 0.03MPa
Material in and out method	Top loading and discharging
Heating conditions	Atmosphere sintering (inert gas)