P-series：Vacuum Hot Pressing Furnace(Graphite)

P系列：真空热压炉(石墨加热)

设计优化好 / 温度均匀性好 / 升温速度快 / 压力精度高 / 安全性能好

Good Design Optimization / Temperature Uniformity / Fast Heating Speed / High Pressure Accuracy / Good Safety Performance

简介 / BRIEF INTRODUCTION

真空热压炉是在真空（或其它气氛）条件下将材料热压成型的成套设备，主要采用石墨电阻式加热，由油缸驱动的压头上下加压。在高温下，物料生坯固体颗粒的相互键联，晶粒长大，空隙（气孔）和晶界渐趋减少，通过物质的传递，其总体积收缩，密度增加，最后成为具有某种显微结构的致密多晶烧结体，从而将物料压制成形。

A vacuum hot pressing furnace is a complete set of equipment that forms materials by hot pressing under vacuum (or other atmosphere) conditions, Mainly using graphite resistance heating, the pressure head driven by the oil cylinder pressurizes up and down. At high temperatures The mutual bonding of solid particles in raw materials leads to grain growth, and the number of voids (pores) and grain boundaries gradually decreases, Through the transfer of matter, its total volume shrinks, density increases, and eventually becomes a microstructure with some kind of microstructure Construct a dense polycrystalline sintered body, thereby compressing the material into shape.

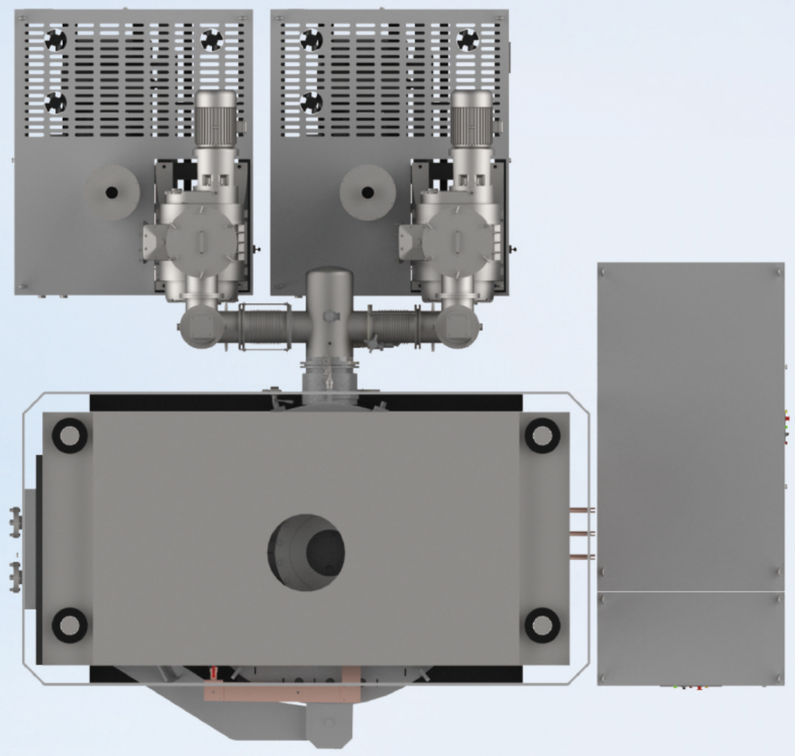
应用领域 / APPLICATIONS

真空热压炉广泛应用于各类复合材料、各类高导热材料、氧化铌/碳化硅/碳化硼/氮化硼或陶瓷类材料、铜基粉体材料、铁基粉体材料、铁铜基粉体材料等材料的零件净近成型、致密化处理。诸如：飞机降落铁铜基粉类材料刹车盘、防弹衣、装甲车护板、直升飞机防弹装甲等。

Vacuum hot pressing furnaces are widely used in various composite materials, high thermal conductivity materials, niobium oxide/silicon carbide/boron carbide/nitrogen. Parts of boron or ceramic materials, copper based powder materials, iron based powder materials, iron copper based powder materials, and other materials.
Net shaping and densification treatment. For example: brake discs made of iron and copper based powder materials for aircraft landing, bulletproof vests, armored vehicle shields, helicopter bulletproof armor, etc.

P7VGR22等轴测图
P7VGR22 Isometric Drawings

P7VGR22俯视图
P7VGR22 Vertical View



产品规格及技术指标 / SPECIFICATIONS & PARAMETERS

产品编号 Numbering	产品型号 Model	最大模套外径(mm) Chamber (mm)	样品直径(mm) Sample Dia. (mm)	压力(吨) Pressure (ton)	压头行程(mm) Stroke (mm)	冷态极限真空度(Pa) UltimateVacuum (Pa)	工作温度(°C) Max. Temperature (°C)	CFC模套物料最大直径(mm) Max. Diameter (mm)
P3VGR22	VVPgr-30/30-2200	Φ300×300	Φ120	60	150	$5/6.7\times10^{-3}$	2200	180
P4VGR22	VVPgr-40/40-2200	Φ400×400	Φ200	200	200	$5/6.7\times10^{-3}$	2200	240
P5VGR22	VVPgr-50/50-2200	Φ500×500	Φ250	300	200	$5/6.7\times10^{-3}$	2200	300
P7VGR22	VVPgr-70/70-2200	Φ700×700	Φ420	600	350	$5/6.7\times10^{-3}$	2200	450
P8VGR22	VVPgr-80/80-2200	Φ800×800	Φ450	800	400	$5/6.7\times10^{-3}$	2200	500
P10VGR22	VVPgr-100/100-2200	Φ1000×1000	Φ600	1500	500	$5/6.7\times10^{-3}$	2200	650