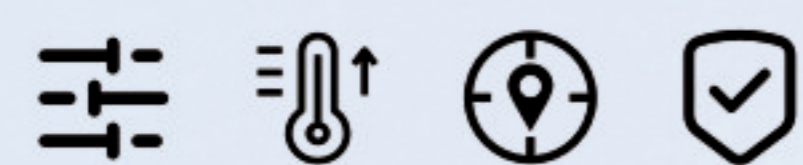


G-series: Gas Pressure sintering Furnace(Graphite)

G系列: 气压炉(石墨加热卧式/立式)

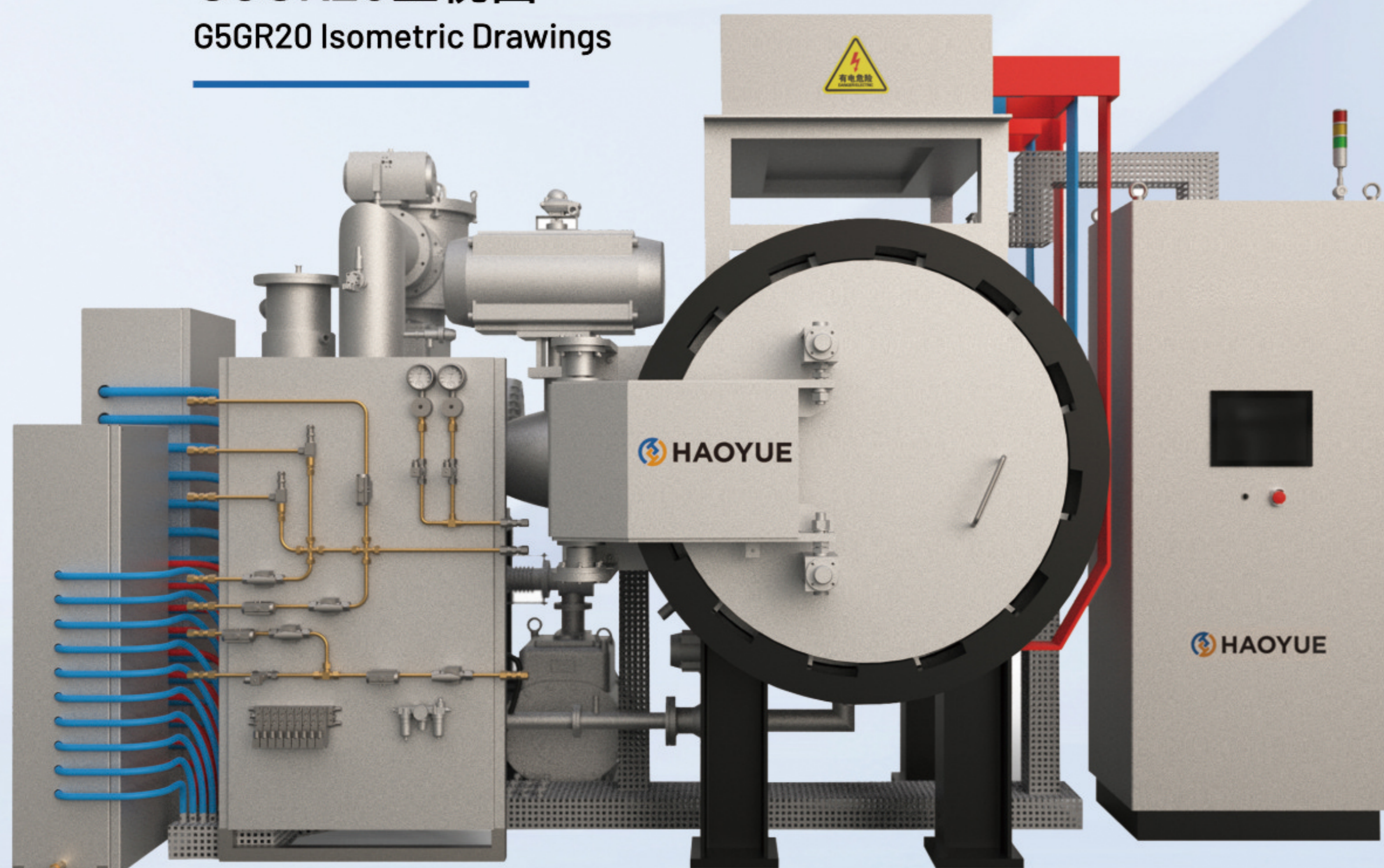


温度均匀性好 / 升温速度快 / 安全性能好 / 组织结构可控

Good Temperature Uniformity / Fast Heating Rate / Good Safety Performance / Controllable Organizational Structure

G5GR20正视图

G5GR20 Isometric Drawings



G7VGR20等轴测图

G7VGR20 Isometric Drawings



简介 / BRIEF INTRODUCTION

加压烧结炉系列集正压脱蜡、真空脱蜡、真空烧结、分压烧结、加压烧结、气氛控制、冷却等功能于一体。本产品为周期作业式，适用于氮化硅陶瓷球，陶瓷刀具等材料在高压氮气或氩气气氛内进行烧结，有利于增加材料的烧结密度，提高材料的机械性能。多种装料设计，使装卸与维修工作更为简便。整个工艺过程自动控制。

The pressure sintering furnace series includes positive pressure dewaxing, vacuum dewaxing, vacuum sintering, partial pressure sintering, and pressure sintering. Integrating functions such as knot, atmosphere control, and cooling. This product is a cycle operation type, suitable for nitriding. Sintering materials such as silicon ceramic balls and ceramic cutting tools in a high-pressure nitrogen or argon atmosphere is beneficial for Increase the sintering density of materials and improve their mechanical properties. Multiple loading designs enable loading and unloading to be coordinated with maintenance work is more convenient. The entire process is automatically controlled.

应用领域 / APPLICATIONS

在高压保护气氛条件下对陶瓷（如碳化硅、氧化锆、氧化铝、氮化硅等）及金属材料（如硬质合金）等进行热等静压烧结处理，同时也适用大专院校、科研单位进行中试批量生产用。适用于氮化硅陶瓷球、陶瓷刀具等材料在高压氮气或氩气气氛内进行烧结。有利于增加材料的烧结密度，提高材料的机械性能。

Under high-pressure protective atmosphere conditions, ceramics (such as silicon carbide, zirconia, alumina, silicon nitride, etc.) and metal materials (such as hard alloys) are subjected to hot isostatic pressing sintering treatment, which is also suitable for pilot batch production in colleges and research institutions. Suitable for sintering materials such as silicon nitride ceramic balls and ceramic cutting tools in a high-pressure nitrogen or argon atmosphere. Beneficial for increasing the sintering density of materials and improving their mechanical properties.

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

产品编号 Numbering	产品型号 Model	加热材质 Heater	设备形式 Structure	取料方式 Loading	有效工作区(mm) Chamber (mm)	最高温度(°C) Max. Temperature	气体压力(MPa) Gas Pressure (MPa)	极限真空度(Pa) Ultimate Vacuum	适用工艺 Applications
G3VGR16/20	PVSgr-30/50-T	石墨 GR	立式 Vertical	下取料 Bottom Loading	Φ300×500	1600/2000	10	10Pa	烧结/分压烧结/脱脂/氢气 Gas Pressure Sintering/Partial Pressure Sintering/Degreasing/Hydrogen
G5VGR16/20	PVSgr-50/80-T	石墨 GR	立式 Vertical	下取料 Bottom Loading	Φ500×800	1600/2000	6/10	10Pa	烧结/分压烧结/脱脂/氢气 Gas Pressure Sintering/Partial Pressure Sintering/Degreasing/Hydrogen
G7VGR16/20	PVSgr-70/250-T	石墨 GR	立式 Vertical	上下取料 Top/Bottom Loading	Φ700×2500	1600/2000	6/10	10Pa	烧结/分压烧结/脱脂/氢气 Gas Pressure Sintering/Partial Pressure Sintering/Degreasing/Hydrogen
G3GR16/20	PHSgr-30/30/90-T	石墨 GR	卧式 Horizontal	侧取料 Side Loading	300×300×900	1600/2000	6	10Pa	烧结/分压烧结/脱脂/氢气 Gas Pressure Sintering/Partial Pressure Sintering/Degreasing/Hydrogen
G4GR16/20	PHSgr-40/40/120-T	石墨 GR	卧式 Horizontal	侧取料 Side Loading	400×400×1200	1600/2000	6/10	10Pa	烧结/分压烧结/脱脂/氢气 Gas Pressure Sintering/Partial Pressure Sintering/Degreasing/Hydrogen
G5GR16/20	PHSgr-50/50/180-T	石墨 GR	卧式 Horizontal	侧取料 Side Loading	500×500×1800	1600/2000	6/10	10Pa	烧结/分压烧结/脱脂/氢气 Gas Pressure Sintering/Partial Pressure Sintering/Degreasing/Hydrogen