

预抽真空多用炉 Pre-Vacuum Chamber Furnace

功能叙述	预抽真空多用炉兼顾真空炉和气氛炉的优越性	
加热方式	<ul style="list-style-type: none"> • 电加热 (热风循环) • 燃气加热 • 石墨加热 	
温度范围	炉内：800~1000 (°C) 淬火槽内：150~600 (°C)	
与优点	<ul style="list-style-type: none"> • 在加热室能自动控温和显示氧含量 • 碳势回复快，节省使用成本 20% • 渗碳均匀，晶界氧化少 • 工件表面效果与真空炉同等水平 • 无火帘燃烧产物，淬火油使用寿命长 • 能达到“3E” 的热处理目标 • 采用圆形炉膛，炉温均匀性、气氛流动性好 • 采用高精度温度控制仪可控硅调功器，控温精度为±1°C • 冷却方式可选择油冷、水冷、保护气体冷及盐浴等温冷却 • 可选择手动、半自动、或自动模式运行 • 使用控制软件，对生产线的生产、工艺进行智能化管理 	
使用于	<ul style="list-style-type: none"> • 渗碳、碳氮共渗 • 硬化、表面硬化 • 淬火、正火、退火、光亮 	
型号	炉内有效尺寸 (mm)(W×L×H)	处理能力(Kg/Lot)
VCF-01	380×760×350	200
VCF-02	600×900×600	400
VCF-03	600×1200×600	600
VCF-04	760×1200×800	1000
VCF-05	910×1200×760	1500
VCF-06	910×1570×910	2000
VCF-07	1270×1570×760	3000
VCF-08	1500×1800×1200	5000
VCF-C	依照需求客制化	



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Description	Pre-Vacuum Chamber Furnace combine both advantage of Vacuum Furnace and Atmosphere Furnace
Heating Method	<ul style="list-style-type: none"> • Electric Heating (convection) • Gas Heating • Graphite Heating (in higher temperature)
Temperature Range	In chamber: 800~1000 (°C) In quenching tank: 150~600 (°C)
Advantage	<ul style="list-style-type: none"> • Automatic temperature control and oxygen content in the chamber • Fast recovery of carbon potential, save 20% cost • Uniform carburizing, less oxidation in crystal boundary • Work piece's surface treatment is same as vacuum furnace • No after-burn material from fire curtain, longer life for quenching oil • Can reach "3E" standard for heat treatment goal • Round Chamber design provide better temperature uniformity and convection • Use high accuracy temperature controller, thyristor power regulator, precision $\pm 1^{\circ}\text{C}$ • Can choose oil cooling, water cooling, protected gas cooling, salt bath cooling • Can choose manual, semi-auto, automatic mode • Use control software to monitor production line and production process
Application	<ul style="list-style-type: none"> • Carburization, carbonitriding • Hardening, casehardening • Quenching, normalizing, annealing, bighting

Type	Inner Dimension (mm)(W×L×H)	Charge (Kg/Lot)
VCF-01	380×760×350	200
VCF -02	600×900×600	400
VCF -03	600×1200×600	600
VCF -04	760×1200×800	1000
VCF -05	910×1200×760	1500
VCF -06	910×1570×910	2000
VCF -07	1270×1570×760	3000
VCF -08	1500×1800×1200	5000
VCF -C	Customized upon request	