

## 密封箱式多用炉 Multiple Purpose Chamber Furnace



功能叙述	<ul style="list-style-type: none"> <li>密封箱式多用炉生产线通常由加热炉、清洗机、回火炉、运送料车、料库、升降台及控制系统组成</li> <li>可依据产品及产量的不同要求选择不同数量的单位设备组成多用的柔性生产线</li> </ul>
加热方式	<ul style="list-style-type: none"> <li>电加热 (热风循环)</li> <li>燃气加热</li> <li>石墨加热</li> </ul>
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"> <li>在加热室能自动控温和显示氧含量, 附防爆装置</li> <li>特殊保温节省能源消耗</li> <li>采用圆形炉膛, 炉温均匀性、气氛流动性好</li> <li>高性能的气氛控制系统能够准确建立炉内碳势</li> <li>采用高精度温度控制仪可控硅调功器, 控温精度为±1°C</li> <li>冷却方式可选择油冷、水冷、保护气体冷及盐浴等温冷却</li> <li>可以采用前门装卸料式或直通式炉型</li> <li>可选择手动、半自动、或自动模式运行</li> <li>使用控制软件, 对生产线的生产、工艺进行智能化管理</li> <li>装卸料车激光定位, 定位精度达到±1mm</li> </ul>
使用于	<ul style="list-style-type: none"> <li>渗碳、碳氮共渗</li> <li>硬化、表面硬化</li> <li>淬火、正火、退火、光亮</li> </ul>

型号	炉内有效尺寸 (mm)(W×L×H)	处理能力 (Kg/Lot)
MCF-01	380×760×350	200
MCF-02	600×900×600	400
MCF-03	600×1200×600	600
MCF-04	760×1200×800	1000
MCF-05	910×1200×760	1500
MCF-06	910×1570×910	2000
MCF-07	1270×1570×760	3000
MCF-08	1500×1800×1200	5000
MCF -C	依照需求客制化	

## 密封箱式多用炉 Multiple Purpose Chamber Furnace



Description	<ul style="list-style-type: none"> <li>Includes Heating Furnace, Cleaner, Tempering Furnace, loading/unloading Cart, Elevated platform, and Control System</li> <li>Depends on product, each furnace can be assemble by different module to make flexible production line</li> </ul>
Heating Method	<ul style="list-style-type: none"> <li>Electric Heating (convection)</li> <li>Gas Heating</li> <li>Graphite Heating (in higher temperature)</li> </ul>
Temperature Range	In chamber: 800~1000 (°C) In quenching tank: 150~600 (°C)
Advantage	<ul style="list-style-type: none"> <li>Automatic temperature control and oxygen content in the chamber, include explode proof design</li> <li>Energy efficient design insulation</li> <li>Round Chamber design provide better temperature uniformity and convection</li> <li>Gas control system build up better carbon potential in the furnace</li> <li>Use high accuracy temperature controller, thyristor power regulator, precision <math>\pm 1^{\circ}\text{C}</math></li> <li>Can choose oil cooling, water cooling, protected gas cooling, salt bath cooling</li> <li>Use front door unloading or straight through type furnace</li> <li>Can choose manual, semi-auto, automatic mode</li> <li>Use control software to monitor production line and production process</li> <li>Loading and unloading cart is align by laser positioning, precision <math>\pm 1\text{mm}</math></li> </ul>
Application	<ul style="list-style-type: none"> <li>Carburization, carbonitriding</li> <li>Hardening, casehardening</li> <li>Quenching, normalizing, annealing, bighting</li> </ul>

Type	Inner Dimension (mm)(WxLxH)	Charge (Kg/Lot)
MCF-01	380×760×350	200
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MCF-03	600×1200×600	600
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MCF -C	Customized upon request	

