

中/高频感应加热淬火机床

Medium/High Frequency Induction Quenching Machine Tool



HF quenching machine tool GCJK10 series



HF quenching machine tool GCJK11 series

产品介绍:

感应淬火机床是与高频、中频或超音频加热装置配套使用,依据工件特征,对工件进行热处理的淬火设备。主要分为淬火、退火、回火、透热、焊接及成型等。

淬火机床分为通用和专用两种,传统方式分为机械式、液压式、复合式。控制部分分别采用计算机控制系统,经济型数控系统和可编程控制器,程序运行可靠,定位准确,操作方便,自动化程度高,能有效提高淬火质量。

产品应用:

用于光轴、半轴、阶梯轴、各种齿轮、花键轴及异形工件的热处理,也可用于刀具焊接、金属材料的透热、退火、预应力钢丝处理等。

Equipment Introduction

Induction quenching machine tool is combined with high frequency, medium frequency and ultra-audio frequency heating power supply for heating treatment of workpieces. The application is mainly include quenching, annealing, tempering, though-heating, welding, thermoforming and so on.

There are two kinds of quenching machine tools which are general and special type. The general type includes mechanical, hydraulic and compound. The control system is computer, economy CNC and PLC control system. The program is reliable designed, convenient and automatic operation. The quality of quenching performance will be improved.

Equipment Application

The machine is used for heating treatment of plain shaft, half shaft, stepped shaft, various gears, spline shaft, deformed work piece and also applied for welding, metal material though heating, annealing and heat-treatment of pre-stressed steel wire.

技术参数 Technical Parameter

型号 Model	最大加持长度Max holding length (mm)	最大加热直径Max heating diameter (mm)	最大零件重量Weight of the biggest part (kg)	传动结构Transmission structure	冷却方式Cooling method	主要用途Main application	
立式液压高频淬火机床（工件运动）Vertical hydraulic hardening machine tool (work piece movement)							
GC1050	500	400-600	150	全液压 Full hydraulic	喷淋、浸液 Spraying, immersion	各种轴、 齿轮 All kinds of shaft and gears	
GC10100	1000						
GC10150	1500						
Gc10200	2000				喷淋 Spraying		
立式全机械高频淬火机床（工件运动）Vertical mechanic hardening machine tool (work piece movement)							
型号 Model	最大加持长度Max h olding length (mm)	最大加热直径Max heating diameter (mm)	连续加热直径Continuous heating length	最大零件重量Weight of the biggest part (kg)	传动结构Transmission structure	主轴转速Rotary speed of main axis (rpm)	主要应用Main application
GCJK1050	500	400-600	500	150	全机械 Full mechanical	20-150	All kinds of shaft and gears
GCJK10100	1000		1000				
GCJK10150	1500		1500				
立式数控淬火机床（感应器运动）CNC Vertical hardening machine tool (inductor movement)							
GCJK1050-CNC	700	400-600	500	200	全机械 Full mechanical	1-150	All kinds of shaft and gears
GCJK10100-CNC	1200		1000				
GCJK10150-CNC	1700		1500				
GCJK10200-CNC	2200		2000				
立式、复合式中频淬火机床（感应器运动）Vertical compound medium frequency machine tools (inductor movement)							
型号 Model	最大加持长度Max holding length (mm)	最大加热直径Maxheating diameter (mm)	连续加热直径Continuous heating length	最大零件重量Weight of the biggest part (kg)	传动结构Transmission structure	冷却方式Cooling method	主要用途Main application
GCFW11150/100	1500	1000	1500	1500	可控机 Controllable machinery	喷淋 Spraying	轴类淬 火，齿 轮 单齿 轮淬 火Shaft, gear hardening, Single gear hardening
GCFW11150/200		2000				喷淋油浸 Spraying, oil immersion	
GCFW11150/300		3000		10000			
GCFW11150/400	2000	4000	2000			20000	
GCFW11150/500		5000					
GCFW11150/600		6000					
多工位淬火机床 Multiple station hardening machine tool							
型号 Model	控制器Control device	最大加热直径Max heating diameter (mm)	旋转速度Rotary speed	工位数The number of the station	冷却模式Cooling method	零件下降速度Descent speed of pieces	运动方式Movement method
GCJK3315/12	PLC	100	20-150rpm	12	喷淋或浸液 Spraying or immersion	1-30rpm/sec	workpiece movement
GCJK3315/15N	CNC	100	30-300rpm	4			Inductor movement



QCJK 1050Q quenching machine



HF quenching machine tool 032 work piece



MOSFET Solid State Power Supply



IGBT Quenching Machine Tool