

CK6108A 数控车床

CK6108A CNC LATHE



北京京仪世纪自动化设备有限公司

BEIJING JINGYI CENTURY AUTOMATIC EQUIPMENT CO.,LTD.

数控机床

CK6108A CNC LATHE

用途与特点



CK6108A数控车床主要适用于小型盘、套、短轴类零件高效、精密加工。

机床床身30°后斜置，便于排屑及观察加工状态。X、Z向滚珠丝杠支承采用专用精密角接触球轴承，主传动及进给传动系统均采用无间隙联结方式。机床采用动力（液动或气动）夹盘，尾座的移动、定位采用手动方式，套筒移动采用手动或自动，动作简捷，满足高速、精密的切削要求。

机床配置4工位电动刀架，也可配置其它规格的电动刀架。机床采用全封闭防护，设计紧凑，占地面积小。导轨副、滚珠丝杠副均采用自动或手动周期润滑，使日常的维护保养简单方便。

机床控制系统采用交流伺服系统，也可依客户需要配置不同厂家的、不同型号的数控系统。主轴驱动采用交流变频调速，可实现恒线速切削。

USES AND CHARACTERISTICS

CK6108A CNC controlled lathe is available in trays, collets and short spindles, with highly efficient and accurate working.

The lathe's body is arranged with 30 gradients in the back and convenient to convey the swarf and observe the working state. The ballscrew supporter of X and Z axes is adopted with special angular contact ball bearing, the main drive and feed drive system are both contacted without interval. The lathe is adopted with motor chuck (hydraulic or pneumatic), the positioning clip and movement of the tailstock is adopted with manual, the collet movement is both automatic or manual, it makes workpiece clip quickly, work simply, and meets with the requirement of high speed and precision.

The lathe is fitted with motor tool carrier of 4-station, and can be fitted with other motor tool carrier. It is protected entirely closed, and designed compactedly with cabinet appearance. The lineal guide and the ballscrew are either automatic or manual lubricated periodically, which makes daily maintenance simple and convenient.

The CNC system is adopted with Servo System and can be fitted with different CNC system according to customers' requests. The spindle drive speed is adjusted by alternation and frequency conversion, which can realize permanent speed turning.

主要技术参数

SPECIFICATIONS

机床加工范围 Lathe Working Range	切削直径	Turning diameter(mm)	φ80	
	床身上回转直径	Swing over bed(mm)	φ250	
	X向行程	X-axis travel(mm)	100	
	Z向行程	Z-axis travel(mm)	200	
	快速移动	Rapid traverse (m/min)	5	
主轴 Spindle	主轴端部	Spindle nose	φ85h6	
	夹盘直径	Diameter of stick material(mm)	φ110	
	主轴孔径	Spindle bore(mm)	φ26	
	棒料通过直径	Diameter of stick material(mm)	φ18	
	主轴转速	气动夹紧	Spindle speed	clip by pneumatic
		液动夹紧 (可选)	(r/min)	clip by hydraulic
50-3000				
50-5000				
主轴内锥孔	Spindle taper		30°	
刀具系统 Tool System	刀具截面	Size of tool(mm)	12 × 12	
	立式电动刀架工位数	The station of vertical motor tool carrier	4	
电机功率 Motor power	主电机功率	Spindle drive power(kw)	1.1KW	
	Z向伺服电机	Z-Axis servo motor(kw)	0.37KW	
	X向伺服电机	X-Axis servo motor(kw)	0.37KW	
	冷却泵电机	Coolant pump motor(kw)	0.12	
	液压泵电机	Hydraulic pressure pump motor	1kw	
位置精度 Position Accuracy	重复定位精度	Repeatability positioning accuracy	X0.005 Z0.005	
	定位精度	Positioning accuracy	X0.01 Z0.01	
尾座 Tailstock	尾座移动	Tailstock moving(mm)	100	
	套筒移动	Quill moving(mm)	60	
	尾座、套筒移动定位采用手动	Tailstock and quill positioning by manual		
可选功能项 Optional Function Item	卡盘动力源为液动	Chuck dynamic by hydraulic	H:Max3.5Mpa	
	中空动力夹盘	Motor chuck with though hole		
	6工位卧式电动刀架	6-station horizontal motor tool carrier		
	程序控制套筒移动	quill moving by CNC		
	伺服主轴电机	servo sindle motor		
数控系统功能 (三菱50L、西门子802D) Function of CNC Control (MITSUBISHI 50L、SIMENS802D)	最小设定单位	Least input increment	X0.0005 Z0.001	
	控制轴数	Axes controlled	3	
	联动轴数	Axes simultaneously moved	2	
	可直线插补, 圆弧插补	Lineal and arc interpolation(mm)		
	螺纹切削 - 可变螺纹切削, 刚性攻丝	Screw turning-variable screw turning, rigidity leading screw		
	刀具长偏置, 刀具长补偿	Tool with long angular arrangement and long offset		
	坐标系设定 - 自动坐标系, 机械坐标系, 工作坐标系, 局部坐标系	Definition of coordination system: automatic, mechanic, running, partly		
	机械精度补偿 - 反向间隙补偿, 螺纹误差补偿	Mechanic accuracy offset-reverse interval and screw error offset		
输入输出接口 - RS232C	Input and output interface-RS232C			

标准附件 STANDARD EQUIPMENT (随主机供应 With main machine supply)

中实气动卡盘 (含软爪)	Pneumatic chuck (Including soft jaw)
切削冷却装置	Coolant device
气动动力装置	Pneumatic motor device
机内照明装置	Work lamp
切削箱	Swarf tank

选择附件 OPTIONAL EQUIPMENT (另行计价 At extra cost)

专用夹具及弹簧夹头、专用拉杆	Special chuck and Spring collets、Specially drawing arbors
孔刀杆用刀套	Tool collet in hole tool arbor
棒料拔出装置	Drawing equipment of stick material
三色警示灯	Alarm light (3 color)



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