

机床特点 | CHARACTERISTICS OF MACHINE TOOL

床身整体一体化设计制造，采用树脂砂铸造，经时效处理变形小，具有极高的稳定性与刚性。导轨宽度335mm，采用超音频淬火，耐磨耐磨。6140H-750综合高转速加工轴，超等光洁度要求高的零件。选配高精度主轴专用轴承，进口专用轴承润滑脂。整个主轴承单元热变形小，精度保持性好。6140B-750为齿轮箱三档变速，低速扭矩大，适合加工铸、锻铁等零件。

The bed foot is designed and manufactured in an integrated way. It is cast with resin sand. After aging treatment, the deformation is small, and it has high stability and rigidity. The width of the guide rail is 335mm, which is quenched by ultra-audio frequency, and the supporting plate is pasted with plastic. 6140H-750 is suitable for processing copper, aluminum and other parts with high finish requirements at high speed. It is equipped with high-precision special bearing for main shaft and imported special bearing grease. The whole main shaft unit has small thermal deformation and good accuracy retention. The 6140B-750 is a gear box, with three-gear frequency conversion and large low-speed torque, suitable for processing steel, cast iron and other parts.



CK6140

详细配置清单 | DETAILED CONFIGURATION LIST

配套件名称 NAME OF ACCESSORIES	规格型号 SPECIFICATION	品牌来源 BRAND SOURCE	备注 NOTES
数控系统 CNC system		南京开通 Nanjing katong	可选配广数、凯恩帝等系统 It can be equipped with Guangshu, Kanda and other systems
X轴电机 X-axis motor	6NM	南京开通 Nanjing katong	
Z轴电机 Z-axis motor	10NM	南京开通 Nanjing katong	
变频器 Frequency converter	11KW	国产 Domestic	
主电机 Main motor	7.5KW	国产 Domestic	
四工位刀架 Four station tool rest	6140	三和/文昌 Wenchang	
手动卡盘 Manual chuck	250三爪 250 three claw	科菲勒 Cofiler	科选装液压卡盘 (科普特) KOPT optional hydraulic chuck
冷却泵 Cooling pump	210W	国产 Domestic	
自动润滑油系统 Automatic lubrication system	齿轮泵 Gear pump	国产 Domestic	

20 炯泰品质 匠心制造

机床主要参数 | MAIN PARAMETERS OF MACHINE TOOL

项目 ITEM	6140H-750	6140B-750
工作范围 Scope of work	床身最大回转直径 Maximum turning diameter of the bed Φ420mm	Φ420mm
	通过滑板最大回转直径 Maximum turning diameter through sliding plate Φ210mm	Φ210mm
	X轴(横向) 最大行程 Maximum travel of X-axis (transverse) 295mm long slide	295mm
	Z轴(纵向) 最大行程 Maximum travel of Z-axis (longitudinal) 750mm	750mm
床身 Bed	床身导轨宽度 Width of bed guide rail 335mm	335mm
	最大床身高度 Maximum height 750mm 整体床脚 750mm integral bed foot	750mm 整体床脚 750mm integral bed foot
	主轴头型号 Main shaft head model A2-6	D-6
	主轴内孔精度 Main shaft inner hole accuracy MT6#	MT6#
主轴 principal axis	主轴孔径(独立主轴) Spindle inner hole diameter (independent spindle) Φ58mm	Φ58mm
	主轴转速 Spindle speed 200-3200r/min	齿轮箱三档无级变速 60-300/250-800/600-2000rpm Gearbox three-speed stepless speed 60-300, 250-800, 600-2000rpm
	主轴电机功率 Spindle motor power 7.5KW	7.5KW 主电机 7.5KW main motor
	手动夹头尺寸 Manual chuck size 三爪卡盘Φ250mm Three-jaw chuck Φ 250mm	三爪卡盘Φ250mm Three-jaw chuck Φ 250mm
伺服轴 Servo shaft	X轴丝杆/Z轴丝杆(型号) X-axis screw rod /Z-axis screw rod (model) 2505/3210	2505/3210
	X轴/Z轴电机扭矩 X-axis/Z-axis motor torque 6NM/10NM	6NM/10NM
	X/Z轴快速进给速度 X/Z-axis rapid feed speed 6m/min/8m/min	6m/min/8m/min
	定位精度 Positioning accuracy X轴(横向) ≤0.01mm; Z轴(纵向) ≤0.015mm X-axis (transverse) ≤ 0.01mm; Z-axis (longitudinal) ≤ 0.015mm	X轴(横向) ≤0.01mm; Z轴(纵向) ≤0.015mm X-axis (transverse) ≤ 0.01mm; Z-axis (longitudinal) ≤ 0.015mm
工作精度 Working accuracy	重复定位精度 Repetitive positioning accuracy ≤0.0075mm X轴(横向) ≤0.0075mm; Z轴(纵向) ≤0.010mm X-axis (transverse) ≤ 0.0075mm; Z-axis (longitudinal) ≤ 0.010mm	重复定位精度 Repetitive positioning accuracy ≤0.007mm X轴(横向) ≤0.0075mm; Z轴(纵向) ≤0.010mm X-axis (transverse) ≤ 0.0075mm; Z-axis (longitudinal) ≤ 0.010mm
	圆度 Roundness ≤0.007mm	≤0.007mm
	直径一致性 Diameter uniformity ≤0.03mm/长度300mm ≤ 0.03mm/length 300mm	≤0.03mm/长度300mm ≤ 0.03mm/length 300mm
	平面度 Flatness ≤0.02mm/直径 300mm ≤ 0.02mm/Diameter 300mm	≤0.02mm/直径 300mm ≤ 0.02mm/Diameter 300mm
刀架 Servo shaft	表面粗糙度(铸件) Surface roughness (cast parts) ≤Ra1.6um	≤Ra1.6um
	形式 Form 四工位刀架 Four-position tool holder	四工位刀架 Four-position tool holder
	四方刀头 Square tool head 25mm X 25mm	25mm X 25mm
	尾座套筒直径 Diameter of tailstock sleeve Φ65mm	Φ65mm
尾座 Tailstock	尾座套筒行程 Simple stroke of tailstock sleeve 150mm	150mm
	尾座顶尖锥孔 Tailstock live center hole MT4#	MT4#
	电源规格(标准配置) Power specification (standard configuration) 三相380V/50Hz Three-phase 380V/50Hz	三相380V/50Hz Three-phase 380V/50Hz
规格 General rule	外形尺寸 Overall dimension 2200X1400X 1700mm	2200X1400X 1700mm
	净重 Net weight 1700kg	1700kg

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机床特点 | CHARACTERISTICS OF MACHINE TOOL

一体式床身床脚，采用树脂砂铸造，实效处理，采用超音波淬火，托板贴塑。

滑枕Φ82mm主轴，三点支承，四道轴承的高刚性主轴系统，绝对温升小于25℃，适合加工盘类，法兰等工件短的产品。

One-piece bed body and foot are cast with resin sand, effectively treated, and quenched with ultra-sound frequency. The supporting plate is pasted with plastic. Through-hole Φ 82mm spindle, three-point support, four-bearing high rigid spindle system, absolute temperature rise less than 25 °C, suitable for processing products with short workpieces such as discs and flanges.



CK6150-500

详细配置清单 | DETAILED CONFIGURATION LIST

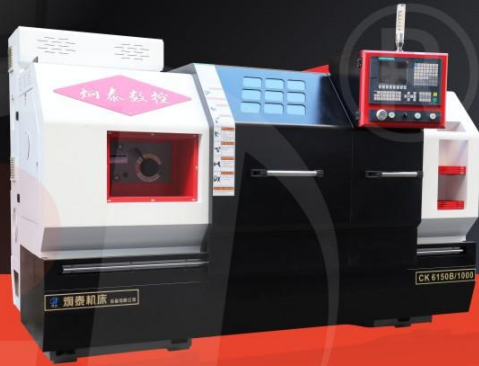
配件名称 NAME OF ACCESSORIES	规格型号 SPECIFICATION	品牌来源 BRAND SOURCE	备注 NOTES
数控系统 CNC system		南京开通 Nanjing katong	可选配广数、凯恩帝等系统 It can be equipped with Guangshu, Kandi and other systems
X轴电机 X-axis motor	6NM	南京开通 Nanjing katong	
Z轴电机 Z-axis motor	10NM	南京开通 Nanjing katong	
变频器 Frequency converter	11KW	国产 Domestic	
主电机 Main motor	7.5KW	国产 Domestic	可选配11KW Optional 11KW
四工位刀架 Four station tool rest	6150	文昌 Wenchang	可选配6163刀架 6163 tool rest optional
手动卡盘 Manual chuck	250三爪 250 three claw	科菲勒 Cofiler	料选装液压卡盘 (科普特) KUPPT optional hydraulic chuck
冷却泵 Cooling pump	210W	国产 Domestic	
自动润滑系统 Automatic lubrication system	齿轮泵 Gear pump	国产 Domestic	

机床主要参数 | MAIN PARAMETERS OF MACHINE TOOL

项目 ITEM	单位 UNIT	CK6150-500
工作范围 Scope of work		
床身上最大工件回转直径 Maximum workpiece rotation diameter of bed body	mm	Φ500
最大加工长度 Maximum machining length	mm	290
X轴 The X axis	mm	295
Z轴最大行程 Maximum Z-axis stroke	mm	500
床身导轨宽度 Width of bed rail	mm	405, 托板贴塑, 整体床脚 405, pastel pasting, integral bed foot
最大顶尖距离 Maximum apex distance	mm	500,1000,100,2000
主轴 principal axis		
主轴头型号 Spindle head type		A2-8
主轴内孔精度 Slope of spindle inner hole		公差90号(1.20) (Metric No. 90 (1.20))
主轴孔径 Main shaft aperture	mm	Φ82
主轴转速 Spindle speed	r/min	三档变频, 档内无级变速: 45-260,140-800,280-1600 Three speed variable frequency, stepless speed change in gear, 45-260/140-800/280-1600
主轴电机功率 Spindle motor power	KW	普通电机7.5/可选配11 Ordinary motor 7.5/Optional 11
手动三爪夹头尺寸 Manual three - jaw collet dimensions		手动三爪卡盘250 Manual three jaw chuck 250
伺服轴 Servo shaft		
X/Z向滚珠丝杆 X/Z ball screw		2505/4010
X轴/Z轴电机功率 X/Z axis motor power	NM	6/10
快速进给速度 Fast feed speed	m/min	6; 8
定位精度 Positioning accuracy	mm	X轴 (横向) ≤0.01 Z轴 (纵向) ≤0.015 X axis (transverse) ≤ 0.01 Z axis (longitudinal) ≤ 0.015
重复定位精度 Repeatability positioning accuracy	mm	X轴 (横向) ≤0.01 Z轴 (纵向) ≤0.01 X axis (transverse) ≤ 0.01 Z axis (longitudinal) ≤ 0.01
圆度 Roundness	mm	≤ 0.007
直径一致性 Consistency in diameter	mm	≤0.03/长度 300 ≤ 0.03/Length 300
平面度 Flatness	mm	≤0.02/直径 300 ≤ 0.02/Diameter 300
表面粗糙度 (钢件) Surface roughness (steel parts)	um	≤Ra1.6
尾座套筒直径 Diameter of tailstock sleeve	mm	Φ75
尾座套筒行程 Tailstock sleeve stroke	mm	150
尾座夹持孔 Taper hole of tailstock center		MT5#
电源规格及容量 (标准配置) Power specification and capacity (standard configuration)		三相 380V/50HZ Three phase 380V/50HZ
外形尺寸 (一米机床) Overall dimensions (one meter machine tool)	mm	2700*1500*1900
净重 Net weight	KG	2000

机床特点 | CHARACTERISTICS OF MACHINE TOOL
一体式床身床脚，采用树脂砂铸造，实效处理，采用超音波淬火，无变形型。
通孔Φ82mm主轴，三点支撑，四道轴承的高刚性主轴系统，绝对温升小于25℃。尾座具有双重快夹机构，底部装有弹性滚轮，滚动轻便省力。

One-piece bed body and foot are cast with resin sand, effectively treated, and quenched with ultra-sound frequency. The supporting plate is pealed with plastic. Through-hole Φ 82mm main shaft, three-point support, four-bearing high rigid main shaft system, absolute temperature rise less than 25 °C. Tailstock with double locking mechanism, elastic roller at the bottom, easy and labor-saving rolling.



CK6150B-1000

详细配置清单 | DETAILED CONFIGURATION LIST

配套件名称 NAME OF ACCESSORIES	规格型号 SPECIFICATION	品牌来源 BRAND SOURCE	备注 NOTES
数控系统 CNC system		南京开通 Nanjing katong	可选配广数、凯恩帝等系统 It can be equipped with Guangshu, Kaindi and other systems.
X轴电机 X-axis motor	6NM	南京开通 Nanjing katong	
Z轴电机 Z-axis motor	10NM	南京开通 Nanjing katong	
变频器 Frequency converter	11KW	国产 Domestic	
主电机 Main motor	7.5KW	国产 Domestic	可选配11KW Optional 11KW
四工位刀架 Four station tool rest	6150	文昌 Wenchang	可选配6163刀架 6163 tool rest optional
手动卡盘 Manual chuck	250三爪 250 three claw	科菲勒 Cofiler	料选装液压卡盘 (科普特) KUPPT optional hydraulic chuck
冷却泵 Cooling pump	210W	国产 Domestic	
自动润滑油系统 Automatic lubrication system	齿轮泵 Gear pump	国产 Domestic	

机床主要参数 | MAIN PARAMETERS OF MACHINE TOOL

项目 ITEM	单位 UNIT	CK6150B-1000
工作范围 Scope of work	床身上最大工件回转直径 Maximum workpiece rotation diameter of bed body	Φ500
	最大加工长度 Maximum machining length	290
	X轴 The X axis	295
床身 Bed	Z轴最大行程 Maximum Z-axis stroke	500,1000,1500,2000
	床身导轨宽度 Width of bed rail	405, 托板装置, 整体床脚 405, pallet passing, integral bed foot
	最大顶尖距离 Maximum apex distance	500,1000,100,2000
主轴 principal axis	主轴头型号 Spindle head type	A2-8
	主轴内孔精度 Spear of spindle inner hole	公差90号(1.20) (Metric No. 90 (1.20))
	主轴孔径 Main shaft aperture	mm Φ82
	主轴转速 Spindle speed	r/min 三档变频, 档内无极变速: 45-260,140-800,280-1600 Three speed varactor frequency, stepless speed change in gear, 45-260/140-800/280-1600
	主轴电机功率 Spindle motor power	KW 普通电机7.5/可选配11 Ordinary motor 7.5/optional 11
	手动三爪夹头尺寸 Manual three - jaw collet dimensions	手动三爪卡盘250 Manual three jaw chuck 250
	X/Z向滚珠丝杆 X/Z ball screw	2505/4010
伺服轴 Servo shaft	X轴/Z轴电机功率 X/Z axis motor power	NM 6/10
	快速进给速度 Fast feed speed	m/min 6; 8
工作精度 Working accuracy	定位精度 Positioning accuracy	mm X轴 (横向) ≤0.01 Z轴 (纵向) ≤0.015 X axis (transverse) ≤ 0.01 Z axis (longitudinal) ≤ 0.015
	重复定位精度 Repeatability positioning accuracy	mm X轴 (横向) ≤0.01 Z轴 (纵向) ≤0.01 X axis (transverse) ≤ 0.01 Z axis (longitudinal) ≤ 0.01
	圆度 Roundness	mm ≤0.007
	直径一致性 Consistency in diameter	mm ≤0.03/长度 300 ≤ 0.03/Length 300
	平面度 Flatness	mm ≤0.02/直径 300 ≤ 0.02/Diameter 300
	表面粗糙度 (铸件) Surface roughness (steel parts)	um ≤Ra1.6
	尾座套筒直径 Diameter of tailstock sleeve	mm Φ75
尾座 tailstock	尾座套筒行程 tailstock sleeve stroke	mm 150
	尾座顶尖锥孔 Spear hole of tailstock center	MT5#
规格 General rule	电源规格及容量 (标准配置) Power specification and capacity (standard configuration)	三相 380V/50HZ Three phase 380V/50HZ
	外形尺寸 (一米机床) Overall dimensions (one meter machine tool)	mm 3000*1700*1800
	净重 Net weight	KG 2800

机床概述 | MACHINE TOOL OVERVIEW

数控机床是数字控制机床 (Computer numerical control machine tools) 的简称, 是一种装有程序控制系统的自动化机床。该控制系统能够逻辑地处理具有控制功能或其他符号指令规定的程序, 并将其译码, 用代码化的数字表示, 通过信息载体输入数控装置。经运算处理由数控装置发出各种控制信号, 控制机床的动作, 按图纸要求的形状和尺寸, 自动地将被加工零件加工出来。

CNC machine tool is the abbreviation of Computer numerical control machine tools. It is an automatic machine tool equipped with a program control system. The control system can logically process the program specified by the control code or other symbolic instructions, decode it, express it with coded numbers, and input it into the numerical control device through the information carrier. After calculation and processing, the numerical control device sends out various control signals to control the action of the machine tool, and automatically processes the parts according to the shape and size required by the drawing.



CK6170

详细配置清单 | DETAILED CONFIGURATION LIST

配套件名称 NAME OF ACCESSORIES	规格型号 SPECIFICATION	品牌来源 BRAND SOURCE	备注 NOTES
数控系统 CNC system		南京开通 Nanjing Kaitong	可选配广数、凯恩帝等系统 It can be equipped with Guangshu, Kaindi and other systems
X轴电机 X-axis motor	10NM	南京开通 Nanjing Kaitong	
Z轴电机 Z-axis motor	15NM	南京开通 Nanjing Kaitong	
变频器 Frequency converter	15KW	国产 Domestic	
主电机 Main motor	15KW	国产 Domestic	
四工位刀架 Four position tool holder	680刀架 680size holder	文昌 Wenchang	
手动卡盘 Manual chuck	K11-500	科菲勒 Cofiler	
冷却泵 Cooling pump	210W	国产 Domestic	
自动润滑系统 Automatic lubrication system	齿轮泵 Gear pump	国产 Domestic	

机床主要参数 | MAIN PARAMETERS OF MACHINE TOOL

项目 ITEM	单位 UNIT	CK6170
工作范围 Scope of work	床身上最大工件回转直径 Maximum workpiece rotation diameter of bed body	mm 780
	最大加工长度 Maximum machining length	mm 950
	X轴 The X axis	mm 560
	Z轴最大行程 Maximum Z-axis stroke	mm 950
床身 Bed	床身导轨宽度 Width of bed rail	mm 490
	最大顶尖距离 Maximum apex distance	mm 950
主轴 principal axis	主轴头型号 Spindle head type	C11
	主轴内孔精度 Hole of spindle inner hole	公制90号(1:20) Metric No. 90 (1:20)
	主轴孔径 Main shaft aperture	mm 105
	主轴转速 Spindle speed	t/min 三档变频, 档内无级变速, 45-260,140-800,280-1600 Three speed variable frequency, stepless speed change in gear, 45-260/140-800/280-1600
	主轴电机功率 Spindle motor power	KW 15KW
	手动三爪夹头尺寸 Manual three-jaw chuck dimensions	手动三爪卡盘500 Manual three jaw chuck 500
伺服轴 Servo shaft	X/Z轴滚珠丝杆 X/Z ball screw	2505/4010
	X轴/Z轴电机功率 X/Z axis motor power	NM 10/15
工作精度 Working accuracy	快速进给速度 Fast feed speed	m/min 6; 8
	定位精度 Positioning accuracy	mm X轴 (横向) ≤0.01 Z轴 (纵向) ≤0.015 X axis (transverse) ≤ 0.01 Z axis (longitudinal) 0.015
	重复定位精度 Repeated positioning accuracy	mm X轴 (横向) ≤0.01 Z轴 (纵向) ≤0.01 X axis (transverse) ≤ 0.01 Z axis (longitudinal) 0.01
	圆度 Roundness	mm ≤ 0.007
	直径一致性 Consistency in diameter	mm ≤0.03/长度 300 ≤ 0.03/Length 300
	平面度 Flatness	mm ≤0.02/直径 300 ≤ 0.02/Diameter 300
外观 General rule	表面粗糙度 (铸件) Surface roughness (cast parts)	um ≤Ra1.6
	电源规格及容量 (标准配置) Power specification and capacity (standard configuration)	三相 380V/50HZ Three phase 380V/50HZ
	外形尺寸 (一米机床) Overall dimensions (one meter machine tool)	mm 3000*1700*1800
	净重 Net weight	KG 2800

机床特点 | CHARACTERISTICS OF MACHINE TOOL

一体式床身床脚，采用树脂砂铸造，实效处理，导轨采用超宽导轨，主要滑动面采用贴塑工艺，消除爬行，提高精度保持性。X、Z向丝杆均采用三支承结构。

The integrated bed foot is cast with resin sand and effectively treated. The guide rail is provided with ultra-wide frequency. The main sliding surface is pasted with plastic technology to eliminate creeping and improve accuracy retention. X, Z-axis screw rods are adopted for Z-direction screw rod.



CK6180

详细配置清单 | DETAILED CONFIGURATION LIST

配套件名称 NAME OF ACCESSORIES	规格型号 SPECIFICATION	品牌来源 BRAND SOURCE	备注 NOTES
数控系统 CNC system		南京开通 Nanjing katong	可选配广数、凯恩帝等系统 It can be equipped with Guangshu, Kaindi and other systems
X轴电机 X-axis motor	10NM	南京开通 Nanjing katong	
Z轴电机 Z-axis motor	15NM	南京开通 Nanjing katong	
变频器 Frequency converter	15KW	国产 Domestic	
主电机 Main motor	15KW	国产 Domestic	
四工位刀架 Four position tool holder	680刀架 680knife holder	文昌 Wenchang	
手动卡盘 Manual chuck	K11-400	科菲勒 Cofiler	
冷却泵 Cooling pump	210W	国产 Domestic	
自动润滑油系统 Automatic lubrication system	齿轮泵 Gear pump	国产 Domestic	

3.1 用泰品质 匠心智造

机床主要参数 | MAIN PARAMETERS OF MACHINE TOOL

项目 ITEM	单位 UNIT	CK6180
床身最大的回转直径 Maximum turning diameter of the bed	mm	Φ800
通过滑板最大回转直径 Maximum turning diameter through sliding plate	mm	Φ480
X轴 (横向) 最大行程 Maximum travel of X-axis (transverse)	mm	470
Z轴 (纵向) 最大行程 Maximum travel of Z-axis (longitudinal)	mm	870, 1620, 2120, 3120
床身导轨宽度 Width of bed guide rail	mm	600 床身床脚/箱体铸造 4000, bed foot/integral casting
最大床尖度 Maximum straightness	mm	750, 1500, 2000, 3000
主轴头型号 Main shaft head model		C-11
主轴内孔精度 Spindle inner hole taper		公差(1:20) Tolerance (1:20)
主轴孔径 Spindle bore	mm	Φ104
主轴变速级数手动3级 Spindle speed change level teaching manual level 3	r/min	40-125; 110-350; 290-950
主轴电机功率 Spindle motor power	KW	15
手动夹头尺寸 Manual collet size	mm	Φ400
X轴丝杆 X-axis screw rod		3210
Z轴丝杆 Z-axis screw rod		6310
X/Z轴快速进给速度 Rapid feed speed of X/Z axis	m/min	8; 4
定位精度 Positioning accuracy	mm	X轴 (横向) ≤0.002 Z轴 (纵向) ≤0.025 X-axis (transverse) ≤ 0.002 Z-axis (longitudinal) ≤ 0.025
重复定位精度 Repetitive positioning accuracy	mm	X轴 (横向) ≤0.015 Z轴 (纵向) ≤0.010 X-axis (transverse) ≤ 0.015 Z-axis (longitudinal) ≤ 0.010
圆度 Roundness	mm	≤ 0.01
直径一致性 Diameter uniformity	mm	≤0.03/长度 300 ≤ 0.03/length 300
平面度 Flatness	mm	≤0.02/直径 300 ≤ 0.02/diameter 300
表面粗糙度 (钢件) Surface roughness (steel parts)	um	≤Ra3.2um
尾座套筒直径 Diameter of tailstock sleeve	mm	Φ120
尾座套筒行程 Tailstock sleeve stroke	mm	250
尾座顶尖孔 Tailstock center taper hole		M16#
电源规格 (标准配置) Power specification (standard configuration)		三相 380V/50HZ Three-phase 380V/50HZ
外形尺寸 Overall dimension	mm	3900×2600×2600 4400×2600×2600 5400×2600×2600
净重 Net weight	KG	4600kg 5600kg 6600kg 7850kg

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机床概述 | MACHINE TOOL OVERVIEW

数控机床是数字控制机床 (Computer numerical control machine tools) 的简称, 是一种装备有程序控制系统的自动化机床。该控制系统能够逻辑地处理具有控制编码或其他符号指令规定的程序, 并将其译码, 用代码化的数字表示, 通过信息载体输入数控装置。经运算处理由数控装置发出各种控制信号, 控制机床的动作, 按图纸要求的形状和尺寸, 自动地将零件加工出来。

CNC machine tool is the abbreviation of Computer numerical control machine tools. It is an automatic machine tool equipped with a program control system. The control system can logically process the program specified by the control code or other symbolic instructions, decode it, express it with coded numbers, and input it into the numerical control device through the information carrier. After calculation and processing, the numerical control device sends out various control signals to control the action of the machine tool, and automatically processes the parts according to the shape and size required by the drawing.



CK61125

机床标准配置及主要外购件 | MACHINE TOOL STANDARD CONFIGURATION AND MAIN PURCHASED PARTS

序号 NO.	配套件名称 NAME OF ACCESSORIES	制造商 MANUFACTURER	规格型号 SPECIFICATION	数量 QUANTITY	序号 NO.	配套件名称 NAME OF ACCESSORIES	制造商 MANUFACTURER	规格型号 SPECIFICATION	数量 QUANTITY
1	数控系统 CNC system	南京开通 Nanjing kaotong	B20	1套 1 set	8	手动台尾 Manual submount tail	国产 Domestic	标配 Standard configuration	1套 1 set
2	变频器 Frequency converter	国产 Domestic	22KW	1套 1 set	9	立式四工位刀架 Vertical four station tool rest	宏达/文昌 Hongda/Wenchang	280*280 280*280	1套 1 set
3	X轴伺服电机 X-axis servo motor	南京开通 Nanjing kaotong	15nm	1套 1 set	10	手动卡盘 Manual chuck	国产 Domestic	φ800单动四爪 φ 800 single action four claw	1套 1 set
4	Z轴伺服电机 Z-axis servo motor	南京开通 Nanjing kaotong	27nm	1套 1 set	11	冷却泵 Cooling pump	国产 Domestic	120w 520w	1套 1 set
5	X轴丝杠 X-axis lead screw	中国汉江 Hanyang river china	FFZD4006R-5/P3	1套 1 set	12	自动润滑系统 Automatic Lubrication system	台湾 Taiwan	电动润滑泵 Electric Lubricating pump	1套 1 set
6	Z轴丝杠 Z-axis lead screw	中国汉江 Hanyang river china	FFZD6310R-5/P3	1套 1 set	13	主轴皮带 Spindle belt	国产 Domestic	XPZ XPZ	5根 5 root
7	主轴轴承 Spindle bearing	哈轴 He axis	NN3032K/P4 234432/P4 NN3026K/P4	1套 1 set 1套 1 set					

机床主要参数 | MAIN PARAMETERS OF MACHINE TOOL

项目 ITEM	单位 UNIT	CK61125
床身上最大回转直径 Swing over bed	mm	φ1350
最大切削长度 Maximum cutting length	mm	1500, 2000, 3000, 4000, 5000
最大切削直径 Maximum cutting diameter	mm	φ1250
滑板上最大回转直径 Maximum turning diameter on sliding plate	mm	φ900
主轴端部型式及代号 Type and code of spindle end		A2-11
主轴孔直径 Diameter of spindle hole	mm	φ105
主轴转速范围 Spindle speed range	r/min	17~1000 (手动) 17~1000 (manual)
主轴转速级数 Spindle speed stage		手动四档内无限变速 Manual four gear, endless speed change in gear
主电机功率 Main motor power	kW	15 (可选配22主电机) 15 (22 main machine are optional)
X轴快速速度 X-axis rapid traverse speed	m/min	6
Z轴快速速度 Z-axis rapid traverse speed	m/min	10
X轴行程 X-axis stroke	mm	675
Z轴行程 Z-axis stroke	mm	850~5850
尾座套筒直径 Diameter of tailstock sleeve	mm	140
尾座套筒行程 Tailstock sleeve stroke	mm	250
尾座主轴锥孔锥度 Taper of tailstock spindle taper	莫氏 Morse	6#
中心高 Distance from bed	mm	755
距地面 From the ground	mm	1500
机床重量 Machine weight	kg	6, 3T/6.8T/7.3/8.1T/8.6T
导轨宽度 Width of guide rail	mm	700 (宽体加重型) 700 (heavy body)
机床外型 (长×宽×高) Machine tool profile (long × wide × High)	mm	3700-7300×2550×2180
最大承重 Max capacity	KG	2000

机床随机附件 | ATTACHED ACCESSORIES OF MACHINE TOOL

序号 NO.	名称 NAME	制造商 MANUFACTURER	规格型号 SPECIFICATION	数量 QUANTITY
1	地脚螺钉及垫圈/螺母 Foundation screws and washers/nuts	本厂 Our factory	/	/
2	顶尖 Top	国产 domestic	M5 S25-2	/
3	顶尖套 Top sleeve	国产 domestic	120/5 16C02090	/

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CK61145-1000

详细配置清单 | DETAILED CONFIGURATION LIST

配套件名称 NAME OF ACCESSORIES	规格型号 SPECIFICATION	品牌来源 BRAND SOURCE	备注 NOTES
数控系统 CNC system		南京开通 Nanjing Open	可选配广数/KND等系统 Optional wide number/KND and other systems
X轴电机 X-axis motor	10NM	南京开通 Nanjing Open	
Z轴电机 Z-axis motor	15NM	南京开通 Nanjing Open	
变频器 Inverter	22KW	国产 Domestic	
主电机 Main motor	22KW	国产 Domestic	
四工位刀架 Four station tool holder	300刀架 300 knife holder	宏达 Hongda	
手动卡盘 Manual chuck	单动1.2米四爪 Single action 1.2 meter four claw	国产 Domestic	
冷却泵 Cooling pump		国产 Domestic	
自动润滑系统 Automatic lubrication system		国产 Domestic	

机床主要参数 | MAIN PARAMETERS OF MACHINE TOOL

项目 ITEM	CK61145-1000
床身上最大回转直径 Swing over bed	1450mm
伺服电机 servo motor	10nm, 15nm
刀架上最大回转直径 Maximum rotation diameter on the tool holder	1080mm
X中拖板宽度 X middle drag board width	420mm
床身上部导轨宽度 Width of the upper guide rail of the bed	720mm
主轴端部 Spindle end	ISO(GB)A2-11
主轴通孔直径 Main spindle through-hole diameter	130mm
主轴转速 Spindle speed	30-84/53-150/125-350/300-835
主轴 principal axis	手动换挡四档 Manual Shift to Fourth Gear
拖板X向最小移动单位 The minimum movement unit of the drag plate in the Z direction	0.001mm/min
拖板X向最小移动单位 The minimum movement unit in the X-direction of the drag board	0.0005mm/min
拖板Z向行程 Z-direction travel of the drag plate	1000mm
拖板X向行程 Travel X-direction travel	650mm
X相定位精度 X-phase positioning accuracy	0.015mm
Z相定位精度 Z-phase positioning accuracy	0.02mm
X相重复定位精度 X-phase repeated positioning accuracy	0.01mm
Z相重复定位精度 Repetitive positioning accuracy	0.01mm
最大加工长度 Maximum processing length	1000mm
拖板X/Z向快速移动速度 Rapid movement speed of drag board in X/Z direction	6000mm/min
尾座套筒直径 Tail socket diameter	130mm
尾座套筒锥孔 Tailstock sleeve tapered hole	莫氏6号 Morse 6
尾座套筒最大行程 Maximum stroke of tailstock sleeve	250mm
主电机功率 Main motor power	22kw
电动刀架重复定位精度 Electric tool holder repetitive positioning accuracy	0.002mm
整机重量 25 Whole machine weight	6T
外观尺寸 (mm) 26 External dimensions (mm)	高2350*宽2350*长3500 Height 2350 * Width 2300 * Length 3500