



北京京仪世纪自动化设备有限公司 (原北京仪表机床厂)  
Beijing Jingyi Century Automatic Equipment Co., Ltd.



# XK7132立式数控铣床

# XK7132 立式数控铣床

## XK7132 CNC VERTICAL MILLING MACHINE

### 用途与特点 Uses and Characteristics

XK7132 立式数控铣床适用范围广泛，可用于各行各业的中、小型零件复合工序、复杂型面，模具尤其适用于有色金属零件的加工。

机床的主要结构采用高强度铸铁，宽大的底座，箱型结构立柱，为机床的精度、刚度提供了可靠的基础。

主轴采用单元式结构，主轴锥孔为 ISO40,7:24，刀柄为 BT40，松刀采用浮动气缸松刀，避免主轴轴承在松刀过程中受到冲击力，影响精度，提高主轴精度的稳定性。每次换刀过程主轴锥孔可由压缩空气进行自清洁。

机床的三向导轨副采用超重负荷型滚动导轨，滚珠丝杠采用预拉伸，两端固定安装，机床运动副刚性高、精度稳定。

机床滚动导轨副、滚珠丝杠副均采用自动周期润滑，并有效地进行防护，最大限度减少日常维护、保养。

机床采用全封闭防护罩，切屑回收方便。两个冷却泵提供充足的切削液，可以最大可能地排除加工区域的切屑，并可有效减小零件变形。

The applicability of the CNC Vertical Milling Machine XK7132 is wide. It can be used to process the complex procedure and figure of the middle and small size spare parts, moulds especially suitable for nonferrous metal.

The main structure is adopted high-strength iron, wide foundation and box-type column. It is the reliable base of the accuracy and rigidity.

The spindle is adopted with unit structure, the taper bore is ISO40,7:24, and the tool holder is BT40. The tool opening style is floating air vat opening tool, which makes the spindle bearing avoid to be impacted during opening tool so as to effect on the accuracy. During every changing tool, the pressing air can clean the taper bore by itself.

The three-direction guide ways are all adopted with overloading rolling guide way and the ball leading screw of X.Y and Z direction are fixed pre-extendedly in two ends. The machine gains high rigidity and stable accuracy.

The rolling guide-way and the ball leading screw guide way are lubricated in automatic period, and defended effectively, and maintained as little as possible.

The machine is closed in complete shield in order to reclaim the cutting scraps conveniently. The two cooling pump can supply enough cutting liquid to clean the scraps in the operating area, and can reduce the working piece deformation effectively.



## 技术参数 Specification

机床加工范围 Working Range	工作行程 (mm)	X 向	Working Travels (mm)	Longitudinal	400
		Y 向		Cross	350
		Z 向		Vertical	400
	主轴端面至工作台距离 (mm)		Distance from nose of spindle to surface of working table (mm)		170 - 570
工作台 Working surface of table	长 x 宽 (mm)		L x W		750 x 320
	T 槽数量 x 间距 (mm)		T-slots of table No. x Distance between		5 x 63
	T 槽宽度 (mm)		T-slots of table Width		14
	承重 (Kg)		weight capacity		300
	主轴转速	主轴单元	Spindle speed	Spindle unit	0-5000 rpm
	伺服主轴		Servo spindle motor		0-8000 rpm
	主轴锥孔		Spindle taper bore		ISO40,7:24
	刀柄形式		Type of tool holder		BT40
	主轴直径 (mm)		Spindle diameter		∅ 55mm
	拉钉		Retention knob		BT40-1
位置精度 Position accuracy	定位精度 (mm)		Positioning accuracy		0.01 mm
	重复定位精度 (mm)		Repeatable positioning accuracy		0.006 mm
快速进给 Rapid traverse rate (m/min)	X 向 (m/min)		Longitudinal		10m/min
	Y 向 (m/min)		Cross		10m/min
	Z 向 (m/min)		Vertical		8m/min
电机功率 Power of motor (KW)	主轴电机	伺服主轴	Spindle motor	Servo spindle motor	3.7/5.5 KW
	伺服电机	X 向	Servo motor	Longitudinal	1.0 KW
		Y 向		Cross	1.0 KW
		Z 向		Vertical	1.5 KW
	冷却泵		Cooling pump motor		0.24 KW
数控系统 基本功能 Function of CNC control	基本控制轴		Basic controlled axes		3 (X, Y, Z)
	三轴直线插补		3 axes (xyz) linear interpolation		
	两轴圆弧插补		2 axes circular interpolation		
	螺旋插补		Helical interpolation		
	程序存储容量		Capacity of program memory		64KB
	静态、动态图形显示		Static \Dynamic graphic display		
	手动、自动		Manual \Automatic operation		
	MDI 工作方式		MDI operation		
	RS-232C 接口		Input and output interface RS-232C		
	DNC 功能		DNC function		
	反向间隙补偿		Backlash compensation		
	螺距误差补偿		Screw - pitch error compensation		
	刀具长度补偿		Tool length compensation		
	刀具半径补偿		Tool radius compensation		
其它 Others	机床重量 (Kg)		Weight		2500
	外形 (长 x 宽 x 高 mm)		Overall dimensions ( L x W x H )		2060x2110 x2400

## 可选功能项 Optional function

1	变频主轴	Converter spindle
2	选装第四回转轴	Fix fourth axis
3	主轴中心出水结构	Structure of spindle center pour

## 随机附件(随主机供应) Standard Equipments (With main machine supply)

1	BT40-ER32-75 弹簧夹头刀柄	1 个	Drill Chuck Arbor
2	ER32-5 卡簧	1 个	Drill Chuck
3	ER32-10 卡簧	1 个	Drill Chuck
4	BT40-1 拉钉	1 个	Retention Knob
5	机床垫铁	4 个	Anti-vibration Mounting Pad

## 特殊附件 Special Equipments (At extra cost)

1	精密平口钳 125	1 个	Precise flat-mouth pincers 125
2	刀具长度测定器	1 个	Apparatus for tool length
3	寻边器	1 个	Apparatus for sides
4	立卧式数控转台	1 个	Vertical and horizontal CNC rotary table



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