

**CHONGQING HONGGANG CNC MACHINE TOOL CO.,LTD**

## CX320ZL-CNC Engine Valve Machine

### Sequence 1: Machining the cylindrical end face

## Technical Documents

首先感谢贵公司对重庆宏钢的关注与支持，现将我司气门专机的相关信息及配置列排如下：

一、机床型号：**CX320ZL-CNC**

二、机床特点

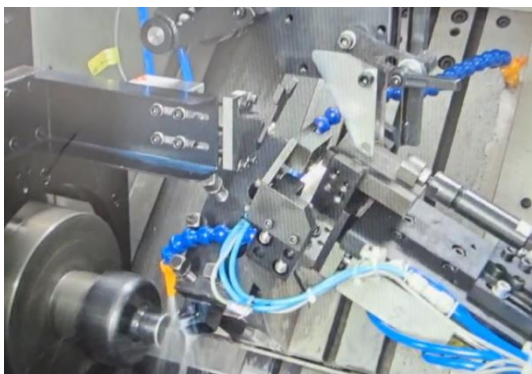
CX320ZL-CNC 气门专用数控车床是我公司适应市场需求而专门自主研发生产的一种高效自动化气门加工数控车床产品。

机床床身为 45° 安装，整体床座，X/Z 向导轨为高刚度直线滚动导轨副，滚珠丝杆置于两导轨中间，传动无倾复力矩，机床运行平稳，稳定性好，导轨丝杆采用自动润滑，可延长直线导轨、滚珠丝杆的使用寿命并保证其高精度进给。

机床气门夹紧专用弹性夹具，可内设自动气门上下料机械手，也可用该机床配用；零件自动运车入线，作气门自动连线加工，高效率，快节奏，管理成本低，适合气门大批量生产机床。

该机床采用全封闭防护，保证操作者及设备安全，并防油防水外渗漏，使工厂环境整洁。

该机床外形美观大方，维修方便，操作者宜人性好。



First of all, I would like to thank your company for your attention and support to Chongqing Honggang. Now the relevant information and configuration of our valve special plane are listed as follows:

**1. Machine tool model: CX320ZL-CNC**

**2. Features of the machine tool**

CX320ZL-CNC valve special CNC lathe is a high-efficiency automatic valve processing CNC lathe product specially developed and produced by our company to meet the market demand.

The machine bed is installed at 45°, the overall bed base, the X/Z guide rails are high-rigidity linear rolling guide rail pairs, the ball screw is placed in the middle of the two guide rails, the transmission has no overturning moment, the machine tool runs smoothly, and the stability is good. The rod is automatically lubricated, which can prolong the service life of the linear guide and ball screw and ensure its high-precision feeding.

Special elastic clamps for valve clamping of machine tools, can be equipped with automatic valve loading and unloading manipulators, and can also be used with this machine tool; parts are automatically transported into the line, automatic valve connection processing, high efficiency, fast tact, low management cost, suitable for valves Mass production of machine tools.

The machine tool adopts fully enclosed protection to ensure the safety of operators and equipment, and prevents oil and water leakage, making the factory environment clean.

The machine has beautiful appearance, convenient maintenance and good operator pleasantness.

## 三、机床技术参数及标准配置

## (一) 技术参数:

## 3. Machine tool technical parameters and standard configuration

## (1) Technical Parameters:

主要技术参数 The main technical parameters

机床型号 Machine model		CX320ZL - CNC	
Description	Name	Unit	Parameter
床身 Lathe Bed	床身、床座形式 Lathe bed, Lathe seat form		45°斜床身 整体床座 45° inclined Lathe bed with integral Lathe seat form
工作范围 The scope of work	床身上最大回转直径 Maximum swing diameter over bed	mm	φ 380
	最大加工直径 Maximum machining diameter	mm	盘类: φ 350; 轴类: φ 200 Disc Type: φ 350; Shaft Type: φ 200
进给 Feed	X向(横向)最大行程 X-direction (horizontal) maximum travel	mm	230
	Z向(纵向)最大行程 Z-direction (longitudinal) maximum travel	mm	230
	X向(横向)最快速度 X-direction (horizontal) fastest speed	m/min	16
	Z向(纵向)最快速度 Z-direction (longitudinal) fastest speed	m/min	16
主轴 Spindle	主轴头部规格 Spindle Head Specification		A <sub>2</sub> -6
	主轴内孔锥度 Spindle bore taper		莫氏6#锥度 Morse 6 # Taper
	主轴通孔直径 Spindle through hole diameter	mm	φ 57
	主轴最高转速(全速段变频) Maximum Spindle Speed (frequency conversion at full speed)	r / min	2000
刀台 Turret	刀台形式 Turret Type		三方刀台, 1个 3 tool stations of Turret, 1 PC
	刀柄规格 Shank Specifications	mm	□25*25
主电机功率 Main Motor power	主轴伺服 Spindle Servo	kw	7.5
	排屑方式 Chip Removal Method		manual
外形尺寸 Lathe Dimensions	长*宽*高 length*width*height	mm	1620*1500*1550
	净重/毛重 Net Weight / Gross Weight	kg	1600 / 1800

工作精度 Work Precision	X/Z 向重复定位精度 Repeated positioning accuracy in X/Z direction	mm	0.005 / 0.008
	圆度 roundness	mm	0.005
	直径一致性 Diameter Uniformity	mm	0.015 / 300
	平面度 Flatness	mm	0.02/300(只许凹) 0.02/300 ( concave only )
	粗糙度 (铝或钢) Roughness (aluminum or steel)	Ra	0.8~1.6
	全防护罩 Full protective cover	set	1

## (二)机床配置 (以单台计) :

## (2) Machine tool configuration (in a single unit machine):

品名 Product name	Specifications	Unit	Quantity	Origin or Brand
数控系统 CNC System	GSK980TC3	set	1	GSK CNC Equipment Co. Ltd.
驱动电机 Motor	7.7NM 交流伺服 7.7NM AC Servo	set	1	GSK CNC Equipment Co. Ltd.
直线导轨 Linear Guides	35mm 滚珠导轨 35mm ball guide	set	1	Rexroth
主轴轴承 Spindle Bearing	前三后一主轴轴承 Front three main shaft bearings Front three rear one spindle bearing	set	1	CSC Bearing
刀架 Carriage	排刀 knife-Turret	set	1	Chongqing Honggang
润滑系统 Lubrication System	自动润滑 Automatic Lubrication	set	1	CNP Pump Industry
尾座 Tail Stock	无 None	set	0	
护罩形式 Shield Form	全防护罩 Full protective cover	set	1	Chongqing Honggang
上下料机构 Loading and Unloading Part	1序: 加工外圆端面 Sequence 1: Machining the cylindrical end face	set	1	Chongqing Honggang Designated Partner
夹持方式 Clamping Method	液压 (增加液压油缸, 液压站及辅助配件) Hydraulic (add hydraulic cylinder, hydraulic station, and auxiliary accessories)	set	1	Chongqing Honggang

<p>四、价格：RMB 205000.00/台 (此价格为出厂价，含客户到供方工厂调试，验收，培训费；木箱包装)</p> <p>五、付款方式：30%货款电汇作为定金，余款在验收合格后，发货前支付。</p> <p>六、交期：收到定金后的75个工作日内交货。</p> <p>七、质保期：整机质保一年。 正常使用情况下，如果质保期有零部件损坏，我们提供免费配件给客户，运费由买家支付。</p> <p>八、中英文版本技术条件，如果有翻译异议，请以中文版本为准。</p> <p>九、此设备不提供操作手册，提供发货前的人员中文培训(买家到卖家工厂培训和调试设备)</p>	<p>4. Price: RMB 205000.00/UNIT (The price is the Ex-factory price, including the debugging, acceptance, and training fees by the customer to the supplier's factory; wooden box packaging)</p> <p>5. Payment method: 30% of the payment T/T as deposit, and the balance should be paid after the acceptance is qualified by buyer, before delivery.</p> <p>6. Delivery time: Delivery within 75 working days after receiving the deposit.</p> <p>7. Warranty period: The whole machine is guaranteed for one year. Under normal use, if any parts are damaged during the warranty period, we will provide free parts to customers, and the freight will be paid by the buyer.</p> <p>8. Technical conditions of the Chinese and English versions. If there is any objection to the translation, the Chinese version shall prevail.</p> <p>9. This equipment does not provide an operation manual, but provides Chinese training for buyer's personnel before delivery (buyer go to seller's factory for training and debugging equipment)</p>
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**Manufacturer:** 重庆宏钢数控机床有限公司 Chongqing Honggang CNC Machine Tool Co., Ltd.

**Supplier:** NILOON INDUSTRY (TAIZHOU) IMP. & EXP. LTD.

**Date:** 2022-6-8

