

CK71/LP Series Universal CNC Lathe

CK71/LP系列普及型 数控车床



 **新誉集团**
New United Group

SHINRI® 新瑞

江苏新瑞重工科技有限公司
JIANGSU SHINRI HEAVY INDUSTRY SCIENCE & TECHNOLOGY CO., LTD.

机床特点

- ☑ 倾斜45° 卧式床身，矩形贴塑滑动导轨，刚性强，排屑性能好。
- ☑ 模块化设计，结构紧凑，排屑方便，布局合理，维修方便。
- ☑ 采用高性能变频器或主轴伺服系统，变速范围大，可实现恒线速切削。
- ☑ 纵、横向驱动采用高性能的交流伺服电机，定位精度高，动作灵活可靠。
- ☑ 机床全防护设计，造型美观大方；液压动力卡具，上下料方便。
- ☑ 自动集中润滑装置，润滑充分、可靠。
- ☑ 液压尾架，套筒可编程，采用死顶尖结构，方便可靠。
- ☑ 冷却系统采用刀盘出水冷却，流量大，冷却效果好。
- ☑ 8或12工位转塔刀架，可实现自动换刀。

机床的加工对象、用途

- ☑ 可加工几何形状复杂、尺寸繁多，精度要求高的轴类（或盘类）零件。
- ☑ 可加工圆柱面、圆锥面、阶梯面、球面及其它各种回转曲面。
- ☑ 可加工各种公、英制内外螺纹。
- ☑ 能车削外圆、切槽及倒角，也可以进行钻、扩、铰、滚压及镗削加工。

Main Feature

- ☑ Lathe bed tilts 45° horizontally, square plastic covering guide pair, result in high rigidity and good waterproof performance.
- ☑ Modularization design , compact structure, reasonable layout, the convince of the chip removal and maintenance.
- ☑ Adopts high-performance and frequency conversion motor or spindle servo system, the range of the shifting is wide to realize constant linear cutting .
- ☑ Adopts high-performance servo AC motor vertically and horizontally ensures high positioning accuracy and flexible and reliable action.
- ☑ The machine adopts entire enclosure protection with beautiful and brief shape. hydraulic power fixture is used for easy loading and unloading.
- ☑ Automatic concentrated oil lubrication device is sufficient and reliable.
- ☑ Hydraulic tail frame with programmable socket, live center is standard configuration. Structure of rotary spindle with dead center and programmable tailstock is convenient and reliable which can be optional.
- ☑ Provide cutter water discharge cooling system with large flow and high pressure.
- ☑ Eight or twelve position turret can realize automatic tool change.

processing object and use

- ☑ The shaft (or disk) parts, with complex geometric shape, various size, high precision requirements are machinable.
- ☑ The parts with cylindrical surface, conical surface, stepped surface, spherical and other various rotary surfaces are machinable.
- ☑ Various metric, imperial internal and external threads are machinable.
- ☑ Turning round ,grooving, chamfering, Drilling, expanding, reaming, rolling and inner bore boring processes are carried out.



国内外领先



安全保障



快速响应



性能稳定



配套先进



Main Specifications

主要规格

| 规格 | 技术参数 | 单位 | CK7163A | LP40/2000 |
|----------------------------|---|--------|--|--------------------------------------|
| 加工能力 Machining capacity | 床身上最大回转直径 Max.swing over bed | mm | Φ650 | Φ650 |
| | 床鞍上最大回转直径Max.swing over bed | mm | Φ440 | Φ480 |
| | 最大车削直径（轴类） Max.turning diameter (axle type) | mm | Φ320 | Φ320 |
| | 最大车削直径（盘类） Max.turning diameter (Disc type) | mm | Φ630 | Φ630 |
| | 最大车削长度 Max.turning length | mm | 1000/1500 | 2000 |
| 行程 Travel | X轴最大行程 Max.travel | mm | 335 | 335 |
| | Z轴最大行程 Max.travel | mm | 1100/1600 | 2100 |
| 主轴箱 spindle box | 主轴转速范围 Spindle speed range | r/min | 30-2000(多轴 multispindle60-1250) | 多轴 multispindle60-1000 |
| | 主轴定心轴颈锥度 Spindle centre journal taper | | 14° 15' | 14° 15' |
| | 锥孔锥度 Spindle taper | | 公制metric 100(120) | 公制120 metric |
| | 主轴通孔直径 Spindle hole diameter | mm | Φ85(多轴 multispindleΦ105) | Φ105 |
| | 主轴头部型号 Spindle nose type code | | A ₂ -8(多轴 multispindleA2-11) | A ₂ -11 |
| | 主轴前轴径尺寸 Spindle front axis diameter | mm | Φ140(多轴 multispindleΦ150) | Φ150 |
| | 主轴中心至床面高度 Distance from spindle centre to the bed | mm | 385 | 355 |
| | 主轴中心至地面高度 Distance from spindle centre to the ground | mm | 1100 | 1160 |
| 尾架 Tailstock | 尾架套筒最大行程 Max.travel of tailstock quill | mm | 100 | 120 |
| | 尾架套筒直径 Diameter of tailstock quill | mm | Φ130 | 1125 |
| | 尾架套筒锥孔锥度 Taper of tailstock quill | 莫氏 | 5# | 5# |
| 进给速度 Feed rate | 快进速度X/Z Rapid speed | m/min | 8/12 | 8/12 |
| | 工进速度X/Z Feeding speed | mm/min | 0.001-8000/ 0.001-12000 | 0.001-8000/ 0.001-12000 |
| 刀盘 cutter | 驱动方式 drive mode | | 电动 motor driven | 电动 motor driven |
| | 配置刀架 Turret | | 卧式8位 horizontal | 卧式8位 horizontal |
| | 外圆刀方尺寸 OD shank size | mm | 32 × 25 | 32 × 25 |
| | 最大镗刀杆直径 Max.diameter of boring bar | mm | Φ50 | Φ50 |
| 卡盘 Chuck | 液压卡盘Hydraulic chuck diameter | mm | Φ320 | Φ320 |
| 控制系统 Control system | 数控系统 CNC system | | FANUC 0i-TF | FANUC 0i-TF |
| | 主轴电机 spindle motor | kw | 15/18.5 (伺服) | 15/18.5 (变频) variable frequency |
| | X轴伺服电机 X axis motor | N.m | 12 | 12 |
| | Z轴伺服电机 Zaxis motor | N.m | 22 | 22 |
| 机床外形尺寸Overall dimension | 长×宽×高(L × W × H) | mm | 3990 × 1740 × 1970 | 5238 × 1742 × 2194 |
| 机床重量 Machine weight | 净重Net weight | T | 6.5 | 9 |
| | 毛重 Gross weight | T | 7.5 | 10 |

注：根据客户需求，可选配其它数控系统，如西门子、广数等；同时还可选配液压刀台。

According to the request of the customers,can adopt other systems, such as Siemens ,GSK ec.The Hydraulic tool post is optional .



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