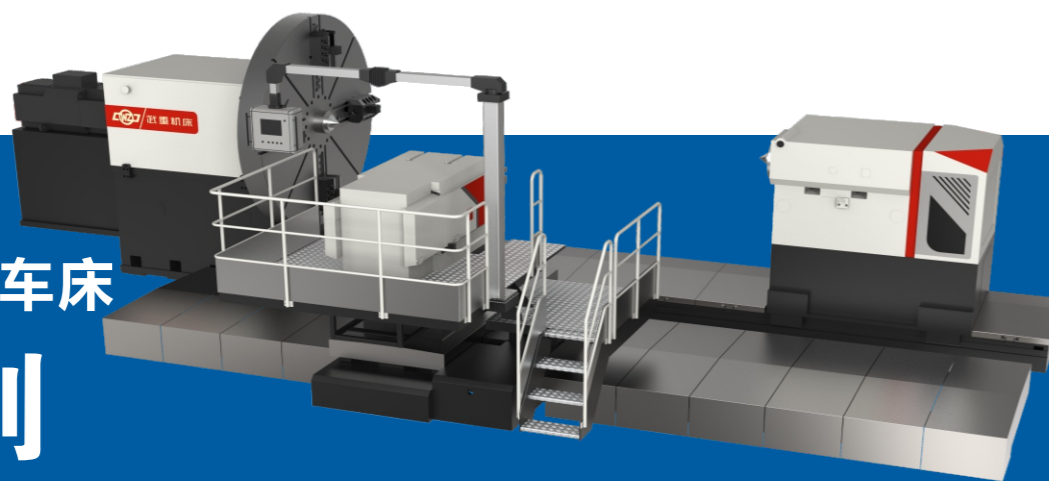


## 数控重型卧式车床

# WL系列

## WL SERIES CNC HEAVY DUTY HORIZONTAL LATHE



### 产品特点

- 主轴箱主轴轴承采用高精度滚动轴承，直流或交流调速电机驱动，具有精度高、承载大、扭矩大等特点。可配置双伺服电机驱动铣进给箱，实现铣进给和分度功能。
- 刀架纵横导轨均为闭式恒流静压导轨，精度高、刚度大。纵向采用双齿轮齿条消隙驱动，横向采用双螺母消隙滚珠丝杆驱动。
- 选配附件有中心架、铣刀架、镗刀架、磨头、深孔钻镗系统等。
- 数控系统标配华中数控，选配西门子，发那科。

### PRODUCT FEATURES

- Headstock spindle bearing adopts high accuracy roller bearing, DC or AC speed adjusting motor drive, with high accuracy, heavy loading capacity and high torque. Double servo motor drive milling gearbox available to realize milling feeding and indexing.
- Lengthwise and crosswise guide ways of tool head adopt closed type hydrostatic guide way of constant flow, with high accuracy and high rigidity. In lengthwise direction adopts double rack and pinion drive for gap elimination; in crosswise direction adopts double-nut gap elimination ball screw drive.
- Optional attachments: steady rest, milling tool head, boring tool head, grinding head, deep-hole drilling-boring system, etc.
- CNC system: HUAZHONG CNC as standard supply. Option: SIEMENS/FANUC.

### 适用范围

WL系列数控重型卧式车床，是武重集团在引进德国SCHIESS公司DL系列、意大利SAFOP公司LEONARD系列卧车先进技术基础上，设计开发的新一代滚动轴承主轴箱结构的重型高速高精度系列产品。可广泛应用于能源、交通、冶金、航空航天及其它重型机器制造行业，加工如汽轮机转子、发电机转子、风电主轴、大型舰船舵轴及传动轴、超重型轧辊、火箭筒体、大型烘干筒和机器主轴等。

### APPLICATION

WL Series CNC Heavy Duty Horizontal Lathe is developed based on technologies introduced from DL series of German SCHIESS and LEONARD series of Italy SAFOP, with rolling bearing type headstock, high speed and high accuracy. It is widely applied in processing to steam turbine rotors, generator rotors, wind turbine spindles, large ship rudder shafts and drive shafts, ultra-heavy rolls, rocket barrels, large drying cylinders and machine spindles, etc. in industries such as power, transportation, metallurgy, aerospace and aviation as well as other heavy duty machine building industries.

### 主要规格和技术参数 SPECIFICATION

| 项目<br>Item  | 单位<br>Unit | 产品型号 Item         |                   |                   |                   |                   |                   |                   |                   |                   |  |
|---|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
|   |            | WL1600<br>WLX1600 | WL2000<br>WLX2000 | WL2500<br>WLX2500 | WL3000<br>WLX3000 | WL3500<br>WLX3500 | WL4000<br>WLX4000 | WL4500<br>WLX4500 | WL5000<br>WLX5000 | WL6000<br>WLX6000 |  |
| 过刀架最大加工直径<br>Max.machining diameter<br>over tool head | mm         | 1600              | 2000              | 2500              | 3000              | 3500              | 4000              | 4000              | 5000              | 6000              |  |
| 最大回转直径<br>Max. swing diameter                         | mm         | 2000              | 2500              | 3200              | 3600              | 4200              | 5000              | 5000              | 5500              | 6500              |  |
| 两顶尖间承重<br>Loading between<br>centers                  | t          | 40~80             | 40~150            | 40~350            | 63~500            | 63~500            | 63~500            | 63~500            | 80~500            | 80~500            |  |
| 刀架最大切削力<br>Tool head max<br>cutting force             | kN         | 140               | 200               | 200               | 200               | 200               | 200               | 200               | 200               | 200               |  |
| 主轴扭矩<br>Spindle torque up to                          | kN.m       | 39~95             | 81~160            | 81~300            | 90~400            | 90~400            | 90~400            | 90~400            | 95~400            | 95~400            |  |
| 主电机最大功率<br>Main motor highest<br>power up to          | kW         | 125               | 166               | 166               | 400               | 400               | 400               | 400               | 400               | 400               |  |

两顶尖距离根据用户需求确定。  
Distance between centers per demand.

注：1.本公司保留修改技术参数的权利。2.样本如与技术协议有出入，以技术协议为准。

Note: 1.All the technical parameter subject to change without prior notice.

2.Technology Agreements shall prevail if there is any discrepancy between catalog and Technology Agreement.