

三轴数控深孔钻床(Three coordinate CNC Gundrilling machine)



机床主要特点:

- 箱体、床体、进给滑台、立柱、工作台等基础件采用优质铸铁铸造;
- 刀具进给导轨采用滚动直线导轨,其他伺服轴采用滑动导轨或者直线导轨;
- 床体回油槽倾斜设计,不会存油;
- 伺服主轴电机驱动刀具旋转,刀具转速可以实现无级调速;
- 刀具进给采用伺服电机驱动滚珠丝杠来实现,刀具进给量可以实现无级调速;
- 在数控系统操作站上,装配冷却系统压力调整旋钮和流量调整面板;
- 排屑机前置,方便观察排屑情况。

Machine mainly parameters:

- The chamber box,machine bed,infeeding slide table,upright column,working table and other basic parts casted by super iron;
- The tool cutter infeeding guide rail adopts roller guide linear rail, others servoaxis adopts slide guide rail or linear guide rail;
- The machine bed oil returning chute is designed slantly,which will not store oil;
- The servo spindle motor drive the tool rotate,the tool rotating speed is stepless;
- The cutter tool infeed adopts servo motor to drive ball screw,so the cutter tool infeeding volume can be stepless controlled;
- Fit the coolant system pressure adjusting knob and flow adjusting panel on the CNC system operation panel;
- The chips conveyor is in front,convinently to check the chips condition.

机床主要参数 Machine Main Parameters

| Technical specification 技术规格 | | 参数 Parameters | | | | |
|------------------------------|---------------------------------------|--|---------|---------|---------|------|
| 工作范围 Working capacity | 钻孔直径范围 (mm) Drilling range | Φ3 - Φ35 | | | | |
| | 钻孔最大深度 (mm) Max. Drilling length | 1000 | 1500 | 2000 | 2500 | |
| 机床性能 Machine character | Z轴 | 进给速度范围 (mm/min) Infeed speed range | 5 - 500 | | | |
| | | 快速移动速度 (m/min) Rapid movement speed | 5 | | | |
| | | 进给电机扭矩 (Nm) Infeed motor torque | 7.5 | 10 | | |
| | X轴 | 快速移动速度 (m/min) Rapid movement speed | 3 | | | |
| | | 行程 (mm) Travel stroke | 1000 | 1500 | 2000 | 2500 |
| | | 电机扭矩 (Nm) Motor torque | 15 | 18 | 22 | 30 |
| | Y轴 | 快速移动速度 (m/min) Rapid movement speed | 3 | | | |
| | | 行程 (mm) Travel stroke | 1000 | | | |
| | | 电机扭矩 (Nm) Motor torque | 15 | 22 | | |
| | 钻杆箱 Drill bar box | 最高转速 (r/min) Max. speed | 5000 | | | |
| | | 电机功率 (KW) Motor power | 7.5 | | | |
| | 工作台 Working table | 尺寸 (X向×Z向, m) Dimension(XxZ) | 1.5X1 | 1.8X1.2 | 2.2X1.5 | 3X2 |
| | | 工作台承重 (吨) Working table loading capacity | 6 | 8 | 10 | |
| 冷却系统 Coolant system | 最大压力 (MPa) Max. pressure | 10 | | | | |
| | 最大流量 (L/min) Max. flow | 1000 | | | | |
| | 过滤精度 (μm) Filtering accuracy | 20 | | | | |
| 其它 Others | 最大钻孔长径比 Max. D-L ratio | 100:1 | | | | |
| | 机床总功率(约, KW) Machine General power | 26 | 26 | 27 | 29 | |
| | 占地面积(长×宽, m) Machine floor space | 5.3X3.5 | 6.3X4.5 | 7.4X5.8 | 8.9X7.5 | |
| | 机床总重量(约, 吨) Machine general weight | 10 | 14 | 19 | 25 | |

● 机床主要配置 Machine mainly configuration

链板排屑机、油冷机、纸袋过滤器、钻杆箱伺服主电机、刀具进给用直线导轨、主机全防护、刀具供油泵组、T型槽工作台、液压站、钻杆支架、电箱空调、一套说明书

Chain plate type chip conveyor, oil chiller, paper filter, drill bar box servo main motor, cutter tool infeed linear guide rail, machine fully safety guard, cutter tool oil provide pump group, T slot working table, hydraulic station, drill bar rest, electrical air conditioning, one set manual book.

● 机床选配件 Machine optional parts:

刀具、辅具、切削油、自动脱油机、磨刀机、油雾收集器、用户指定的其他配件。

Cutter tool, auxiliary and accessories, cutting oil, automatic chips oil washer, cutter tool grinding machine, oil mist collector and others accessories.