

LGZ6512/LGZ6508

数控龙门加工中心

CNC Gantry Machining Center



用于铝型材的铣 - 钻 - 镗 - 攻螺纹等多种加工技术，大功率，高效率 Used for milling, drilling, tapping, boring, and etc. High power, High efficiency

技术亮点

- 适用于轨道交通铝型材及各种工业铝材的孔、槽及轮廓形状等工序的加工，具备铣削、钻削、镗孔及攻螺纹等功能。
- 采用德国PA高品质数控系统，具有良好的用户操作界面，可完成复杂三轴联动加工。
- 采用工作台固定龙门移动式结构布局，稳定可靠。
- 采用进口高品质交流伺服电机、直线滚动导轨、精密齿条、滚珠丝杠及进给轴承，确保设备具有较高的加工精度和可靠性。
- 设有电主轴的水循环冷却系统、进给传动的自动润滑系统及刀具的冷却喷雾系统，确保机床的可靠运转及较高的精度稳定性。
- 配置12工位旋转刀具库，自动换刀。
- 配置有安全防护装置，确保操作者的人身安全。

Features

- This machine is designed for processing mounting hole, groove, and contour shape in all diversified profile used for rail traffic and other industry aluminum profile. It has the function of milling, drilling, boring and threading etc.
- It equipped with high-quality CNC system from Germany PA with favorable display interface. This system can provide 3-axis integrated movement.
- Using the worktable fixed and Long men moveable structure layout.
- It adopts imported high-quality AC servo motor, linear rolling guide, precision rack, ball screw and feed bearing to ensure high machining precision and reliability.
- Using water circulation cooling system of electric spindle, Automatic lubrication system of feed drive device and cooling spray system of tools to ensure stability and reliable operation.
- It equipped automatic rotatable tool magazine with 12 tools.
- It equipped securing guard to ensure personal security.



采用大功率套筒法兰连接式进口电主轴，可以实现强力铣削，极大提高加工效率。

It adopts imported high-power electric spindle to ensure strong milling. Greatly improve the processing efficiency.



采用铸铁工作台面，并设有标准T形槽，可以方便的定位安装各种工装夹具及工件。

Using cast iron worktable with standard T shaped groove. It's convenient for locating and installing fixture and work-piece.

技术参数 Technical Parameters

| 项目 | Item | | |
|-----------------------------|----------|------------------------------|---------------------|
| 加工范围 Machining Size | X | X | 6500mm |
| | Y | Y | 1200/800mm |
| | Z | Z | 500mm |
| 加工精度 Machining Precision | 定位 | Positioning | ± 0.05mm |
| | 重复定位 | Duplicate Positioning | ± 0.02mm |
| | 钻铣垂直度 | Squareness | 0.1/100mm |
| | 圆柱度 | Cylindricity | 0.1/100mm |
| 进给速度 Feeding Speed | 加工面表面粗糙度 | Surface Roughness | Ra 3.2um |
| | X轴 | X axis | 40m/min |
| | Y轴 | Y axis | 30m/min |
| 主轴 Spindle | Z轴 | Z axis | 20m/min |
| | 功率/转速 | Efficiency/Rotary Speed | 20.5kW/0 ~ 20000rpm |
| | 主轴最大输出扭矩 | Max output torque of spindle | 39N·m |
| 所需动力源 Mode of Force | 刀柄规格 | Cutter handle model | HSK63A (No.) |
| | 电压 | Voltage | 380V 50HZ |
| | 总功率 | Gross Power | 35kW |
| | 气压 | Air Pressure | 0.6 ~ 0.8MPa |
| 工作台最大负载 机床重量 | 耗气量 | Air consumption | 240L/min |
| | | Max load of worktable | 4000kg |
| | | Weight | 12000kg |



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