



GSXZ-CNC-4000

高速四轴数控加工中心 High-Speed 4-axis CNC Processing Center

[性能特点]

- 适用于铝门窗幕墙或工业铝型材三面范围内的各种孔、槽及轮廓形状等复杂工序的加工，具备铣削、钻削等功能。
- 采用先进的德国PA数控系统、安川伺服电机，配以高品质滚珠丝杠、精密齿轮齿条、直线导轨，确保设备具有较高的加工精度和可靠性。
- 电主轴采用意大利HSD原装高速电主轴。
- 专业化软件设计，使得设备具有从图形到设备可执行加工代码程序的快速转化能力，较大程度上省去人工编程过程，简化操控。
- 该型设备具有四个伺服控制轴，可以完成较为复杂的四轴三联动加工。
- 配置7刀位直排刀具库，可以完成自动换刀。
- 配置对刀仪，可以自动完成刀具的长度测定。
- 配置6组自动夹具单元，具备夹具位置的自动扫描和自动优化功能，最大限度避免加工干涉。
- 配置切削区四周全封闭防护和安全防护装置，确保操作者的人身安全。

[Product Features]

- This machine is used for processing holes, grooves, and contour shapes of aluminum Profile, and it has milling, drilling, and other functions.
- It adopts advanced Germany PA CNC system, YASKAWA servo motor, high quality ball screw, and precise gear rack, which ensure that the machine can run with high precision and reliability.
- This machine has four servo control axis, and it realizes processing of 4-axis and 3-linkage.
- With the high-wall structure layout, it is easy to adjust, and to load and unload the profiles.
- With spray-cooling system for the tools, it ensures the machine reliable operation and accuracy of stability.
- With a knife instrument, the machine can test the length of the tool automatically.
- With 6 sets of automatic fixture unit, it can scan the fixture position and optimize processing automatically, which avoids the processing interference to the maximum.
- The configuration cutting area surrounded by closed protection and safety protection device, which ensure that the operator's personal safety.

技术参数 Technical Parameters

气源	Air supply	0.5~0.8MPa
电源	Power supply	380V 50Hz
整机总功率	Total power	13kW
横向行程(X轴)	X-way range(X-axis)	4000mm
纵向行程(Y轴)	Y-way range(Y-axis)	720mm
垂直行程(Z轴)	Z-way range(Z-axis)	580mm
工作台翻转行程(A轴)	Worktable rotation range(A-axis)	±90°
X轴运行速度	X-axis speed	0~70m/min
Y轴运行速度	Y-axis speed	0~30m/min
Z轴运行速度	Z-axis speed	0~20m/min
A轴运行速度	A-axis speed	0~20rpm
主轴转速/功率	Main axis rev./power	18000rpm/5.5kW
工作台工作位置	Worktable position	0°
刀具夹头	Clamp	ER25-Φ8
夹具数量	Quantity of clamp	6 pieces
夹具锁紧方式	Clamp locking	自动锁紧 automatic locking
刀具冷却	Tool cooling	喷雾冷却 spray cooling
加工尺寸范围	Processing size	200×200×4000mm
外形尺寸	Dimension	7000×4000×3000mm
整机净重	Weight	4500kg