

GCGZD-CNC-4500

高速三轴加工中心

High-speed 3-axis CNC Machining Center



飞碟式 16 位刀库可快速换刀，大功率伺服主轴可刚性攻丝

Toole stock is 16 points which is timesaving when change tools. High power servo spindle to realize rigid tapping

技术亮点

- 适用于各种钢、铝、铜、PVC型材及板材等多种零件的数控加工，可实现工件一次装夹自动完成铣削、钻孔、攻丝等多工序加工。
- 采用动柱式结构，运行更平稳，运行速度高每分钟可达60米。
- 采用高品质的西门子伺服电机、滚珠丝杠、直线导轨及轴承等构件以确保设备具有高稳定性、可靠性。
- 工作台采用标准14T型槽，适用于工业型材的装夹。
- 采用西门子大功率大扭矩伺服主轴电机，台湾普森主轴，转速高刚性好，可刚性攻丝。
- 采用先进的微量润滑系统，改善工作环境更加节能环保。
- 本机可选微量喷雾，也可用切削液。
- 机床侧面前面为全防护，保护操作者安全。



采用全套西门子数控系统操作界面友好，性能稳定。
It adopts Siemens CNC system, it have good user interface and stable performance.



采用飞碟式刀库，结构可靠，换刀速度快。
It adopts flying saucer type tool magazine, it have reliability structure and the fast tool changing speed.



Features

- It is used for all kinds of CNC drilling and milling profiles and plates in aluminum, steel, copper, PVC, and plates, which realizes that a clamping can finish multi-operation processing of milling, drilling and tapping.
- The machine construction uses moving column method, it ensures that the machine runs smoothly and running speed up to 60m/min.
- It adopts advanced Siemens servo motor, ball screw, linear guide and bearing, which ensure that the machine can run with stability and reliability.
- The worktable uses standard 14T-slots, it is used for clamping of the industry profile.
- It adopts Siemens high power and large torque servo spindle motor, Taiwan POSA Main axis, it have high rev, good rigidity and rigidity tapping.
- The advanced micro-lubrication cooling system has energy efficiency and environmental protection to the working environment.
- This machine adopts micro-atomization and cutting fluid cooling.
- The configuration side and in front of the machine by closed protection, which ensure that the operator's personal safety.

技术参数 Technical Parameters

项目	Item		
行程 Stroke	X轴行程	X-way range(X-axis)	4500mm
	Y轴行程	Y-way range(Y-axis)	450mm
	Z轴行程	Z-way range(Z-axis)	400mm
主轴 Spindle	主轴最高转速	Main axis rev.	12000r/min
	主轴功率	Main axis power	5.5kw
	主轴锥孔	Spindle taper	BT30
	主轴至工作台距离	The distance from main axis to worktable	350mm (刀长100mm) 刀库 (length of milling cutter:100mm)
刀库 Tools	刀库形式	Tool magazine type	飞碟式 Flying saucer
	刀库容量	Tool magazine capacity	16
润滑冷却系统 Lubricating	润滑系统	Lubrication system	自动润滑 Auto lubricating
	冷却系统	Cooling system	微量雾化冷却/切削液 atomization cooling/cutting fluid
移动速度 Feeding Speed	X轴移动速度	X-axis speed	0~60m/min
	Y/Z轴移动速度	X/Y-axis speed	0~30m/min
精确度 Precision	X轴定位精度	X-axis locating length	±0.05mm
	Y/Z轴定位精度	X/Y-axis locating length	±0.02mm
	重复定位精度	Repeat locating length	±0.01mm
机械规格 Mechanical specification	电源	Power supply	380V/50HZ
	气压需求	Air supply	0.5~0.8Mpa
	占地面积	Area	7100×2600mm
	重量	Weight	7000kg