
Table Top Dual Lane Router : Model no: GHZ-400***/ . Configuration:***

Hardware	
Principal axis	<i>Xingchen spindle and quadrangle inverter series</i>
CCD	<i>Daxiang 1200TVL series industrial camera</i>
Lens	<i>CCTVLENS EX2C</i>
Lead screw	<i>Taiwan TBI grinding precision ball screw</i>
Rail	<i>Taiwan TBI linear widened guide rail</i>



Servo motor	<i>FUJI Electric ALPHA5 series</i>
I/O control card	<i>ADT PCI-850</i>
Motion control card	<i>ADT PCI-850</i>
Adapter card	<i>ADT type</i>
Industrial control host	<i>Custom industrial computer case, motherboard (GLGABYTE), solid state drive memory 2GB 2CPU 2.0G</i>
Display	<i>DELL LCD LCD19" display</i>
Number of machine axes	<i>X axis, Y1 axis, Y2 axis, Z axis</i>
Software (Software)	
Control system	<i>Windows 7 Professional(32-bit)</i>
Operating interface	<i>Chinese Windows 7</i>
Programming	<i>On-line mode</i>
Visual system	<i>Pixel computing high precision CCD visual positioning correction System (self-developed)</i>
Control software	<i>F 1.0.2 beta version</i>

//. Machine performance indicators

Overall	
Equipment size	<i>1260mm x 1260mm x 1420mm</i>
Weight	<i>700KG</i>
Foot height adjustable	<i>60~110mm</i>
Manipulator	
Control motor type	<i>FUJI Electric ALPHA5 series</i>



Control motor repetition accuracy	0.001mm
Maximum travel range	800mm*450mm*60mm
Work station	
How the board is positioned	Fixture positioning, universal thimble positioning, visual correction
Access plate system	Left and right table FUJI servo + screw guide drive
Maximum size of single table divider	350mm*400mm
Maximum plate thickness	5mm
Fixturing	
Rigid fixture	Custom made anti-static fixture
Upper clamp	The hole positioning method is adopted
Spindle Motor	
Power	150W
Maximum speed	40000rpm/min
Cooling mode	Natural cooling system
Change tool mode	Special wrench replacement
Routing capability	
Maximum cutting speed	100mm/s
Maximum moving speed	1000mm/s
Cutting repetition accuracy	0.025mm
Vacuum System	
Filter system power	2.2KW 380V motor
Filter	Vertical type



Utilities	
Power	4.5KW AC380V
Air supply	4-6KG/cm2
Programming (程序)	
Programming mode	On-line programming
Editing function	Straight line, oblique line, circle solitary, circle
Program store	Select the storage location as required
Configuration programming CCD	Daxiang 1200TVL series high pixel color CCD
Tool diameter compensation	Auto
Filter setting	Automatically vibrate the cleaning filter bag and collect the dust into the dust collection box after each processing shutdown
Operation Monitors	
Tricolour light	High-brightness three-color lights monitor the various working states of the machine
Tool quality detection	Tool life service cumulative distance detection
Motor overheat detection	With overheat, overload, low voltage and other protection functions
Servo overload detection	With overload, line is normal, low voltage and other protection functions
Tool life tracking	Tool life accumulated distance detection
Panel counting	Sub-board counting, sub-board time counting method.
Machine error record	Software automatic machine alarm prompts
Accuracy	
Shaft position accuracy	±0.01mm



<i>Splitter accuracy</i>	$\pm 0.025\text{mm}$
<i>Machine repetition accuracy</i>	$\pm 0.01\text{mm}$
<i>Repeated cutting accuracy</i>	$\pm 0.025\text{mm}$
Safety	
<i>Working range protector</i>	<i>Adopt the four-sided sealing protection mode</i>
<i>Emergency stop button</i>	<i>Left and right work table</i>