
Table Top Dual Lane Router : Model no: GHZ-400



1. Configuration:

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



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

II. Machine performance indicators

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



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



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>	±0.025mm
<i>Machine repetition accuracy</i>	± 0.01mm
<i>Repeated cutting accuracy</i>	± 0.025mm
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>