



Getech Automation Pte Ltd





Features

· Tool Break detection

。刀具断裂检测

性能

· Copy, Paste and Offset functions

· Tool Bit Optimization to increase bit life

· Test Run mode to check routing paths

。拷贝, 粘贴和平移功能

。提高刀具寿命的刀具优化功能

。检查切割轨迹的测试运行模式



Safety

Safety barriers to prevent
 operators from accessing work area.
 Spindle/Door safety interlocks
 to prevent any accidents.

安全性

。避免操作者进入 工作区域的安全屏障 。避免任何意外发生的 主轴和机门互锁



Fixture

- · Rigid fixturing and easy replacement
- Integrated top clamping for rigid holding of PCB
- \cdot Large and normal panel sizes available (see back for details)
- · Universal and Dedicated fixtures avaliable

夹具

- 。高刚度夹具和容易更换
- 。完整的PCB顶端夹紧
- 。适用于大、适中尺寸的线路板(详细见后)
- 。适用于通用和专用夹具

ESR SBPIBS

Speed and Accuracy

The GSR series dual table router is capable of **speeds of up to 100mm/s** and **positioning speeds of 1000mm/s**. It allows continuous routing with no stoppages during panel loading and unloading. The superior quality axis system allows the system to have **high acceleration/deceleration**, **reducing cycle time** (increase in production output) and at the same time **maintaining high accuracy**.

Progamming

Using a high resolution CCD camera, GSR user-friendly window-based software allows the user to program the routing paths in minutes. There are also no limitations in the number of programs stored.

Reliable Hardware

GSR uses high quality components to ensure rigidity and high performance. The ball screw axis are protected to **keep out any dust or dirt**. This will **increase the life and performance of the axis.**

速度和精度:

GSR系列双工作台切割机,速度高达100毫米/秒, 定位速度1000毫米/秒。在装载和卸载期间能够 无间断连续切割。

高质量的转轴系统使系统能够快速地加速和减速, 减少周期时间,提高生产率,同时保持高精度。

编程:

系统使用高分辨率CCD摄像机。GSR友善的用户 视窗软件允许用户在数分钟内编写好切割轨迹。 存储的程序数目无限制。

硬件可靠:

GSR使用高质量的硬件以保证高刚度和高性能。 所有导螺杆被遮住以防止灰尘和赃物进入, 从而提高转轴的寿命和性能。





Sneed

prevent dust



Features and Specifications

MECHANICAL SPECIFICATIONS		OPERATING SYSTEM		
Manipulator		Spindle speed 5,000 - 50,000 rpm adjustable via frequency converter		
Manipulator Motor	4 axis AC brushless servo motors	Routing capability		
Manipulator Repeatability	±0.02mm	Non routing speed	1000 mm/sec	
Resolution	±0.010mm	Routing speed	100 mm/sec max depending on material, cutting quality & tool diameter	
Configuration	X, Y1, Y2 & Z-axis	Repeatability	<0.1 mm Straight lines, curves and interpolated profiles	A
Work station		Maintenance		
Board Positioning	Two workstations, Side by Side each with dedicated or modular fixtures	Spindle bearing	Ceramic bearings	
Panel location	Located by tooling holes or edge of PCB	Router bit	100 to 300 m cutting distance before next tool change, depending on PCB and fixture.	
Loading/Unloading	Manual Loading / Unloading	Filter bag	1000m to 1500m before next filter bag change	
Panel Size	350 x 350mm (500 x 500mm - GSR1280)	Safety features	E Stop, Spindle stop, Spindle motor overheat & Servo overload detection	
Panel Thickness	0.4 - 2.0mm	Noise level	<78 dBa	
Spindle Motor		System platform	Windows® based PC	
Power	0.15kw	Vision system	High resolution video camera	
Max. speed	50,000rpm	Programming		
Cooling	Ambient cooled	On-line	Vision assisted point to point manual teaching, or manual Data Input of co-ordinates	
Router bit	Shank size 3.175mm (1/8 ")	Editing function	Dry run vision assisted / test run mode	
Tool change	Manual	Variables functions	Tool bit diameter compensation, Filter change interval (distance) setting,	
Vacuum System			Tool bit wear compensation	
Power	3 kW rotary vane blower	Operation monitor		
Filtration	3 stage disposable industrial vacuum filter bag	Router bit	Tool life tracking, PCB board count. Tool broken sensor	1300 (1620)
Utilities		Vacuum	Vacuum filter change alarm	
Power supply	380~415v, 3 phase, 20 amps, 50 Hz, (options available)	Machine	Machine error history	
Air supply	6 bars, consumption <6 L/min			
机械结性		操作系统		
			5000、50000、娃/公铀、山峦牺哭李调共	
亚马亥兹卫计	苏海王剧 伺服卫 计	工油转达	5000~50000 转/ 万钟,田支须留木洞门	
池	文流几种何版与区	りすり生化	1000字)以 /14	
池幼东坑里友相及:		非切割速度:		
(万)が一半:	± 0.010 mm	切割 速 度:	嵌入100 毫木/秒,取伏于线路板材料和切割质重	
<u> 印直:</u>	入, Y1, YZ & 乙物		< 0.1 毫米,对直线和曲线的轮廓	
		—————————————————————————————————————		
线路似走世:	网个工作盲, 开门排列, 滚钉行炼蚁标准关兵	土 细 细 承:	岡宏拙承 Lindula Data Andrew Factor The State Andrew Factor	
线路似位直:	田线路极上的定位扎实现未定位	月具 :	切割行程100~300不后需更换,取获于PCB和兴具	
滚卸力式:	人上方式	过滤袋:	切割1000~1500米后需更换	
线路板尺寸:	350毫米 X 350毫米 (500毫米 X 500毫米 - GSR1280)	安全设直:	整机紧急停止开天,王钿紧急停止开天,王钿马达过热和何服马达过载检测	
线路板厚度:	0.4毫米-2毫米	噪声:		
王钿马匹		糸筑界面	视窗系统个人计算机	
功率:	0.15 十瓦	视觉系统	高分辨率摄像机	
最大转速:	50000 转/分钟	编程		
冷却方式:	空冷	在线,	借肋于视觉的占到占的人工示教或人工输入应标值	
刀具:	标准刀具直径3.175mm(1/8")	编辑功能.	视觉系统的空裁运行和切割占的空裁运行	
真空系统		可本功能.	刀目直径轨径 计减线面描问隔沿罢和刀目麻捣轨径	
功率:	3 千瓦旋转式叶片吹风机	马又切形:	7天且1171区,总秘衣宪沃阳船以且伸刀开店现111区	
过滤:	一次性使用的三级工业真空过滤袋	运行监控器		1300(1580)
电气供应		切割点:	刀具寿命跟踪,PCB计数,刀具断裂传感器	
申源•	380~415伏,3相,20安培,50赫兹(可由用户要求决定)	真空:	真空过滤袋更换警告	
气源.	与压6巴、消耗量< 6 升/分钟	机器:	机器故障记录	
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Agent's Stamp