GETECH
"Performance, Value, Integrity"

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OVER 25 YEARS IN THE INDUSTRY

GSR1200 SEMI-AUTO ROUTER MACHINE

TOTAL SOLUTION FOR ROUTER BUSINESS

As a world leader in PCB Depaneling systems, **GETECH** presents **GSR1200**. A stand-alone machine designed for high-speed routing and high volume production of PCB panels (350mm x 350mm).

FEATURES

- DUAL TABLES
- HIGH-SPEED ROUTING
- MANUAL LOADING/UNLOADING
- HIGH-RESOLUTION CAMERA
- RIGID FIXTURING AND EASY REPLACEMENT
- UNIVERSAL/DEDICATED FIXTURES & TOP CLAMP LIFTER AVAILABLE
- SAFETY PROTECTION ENCLOSURE CABINET W/ INTERNAL PARTITION
- HIGH ACCURACY & QUALITY CUT
- POWERFUL DUAL VACUUM SYSTEM
- USER FRIENDLY SOFTWARE
- CE CERTIFICATION (OPTION)

GUARDIAN GiC INDEPENDENT CERTIFICATION

UKAS MANAGEMENT SYSTEMS 045

ISO 9001 : 2015 Cert. No.: 622220

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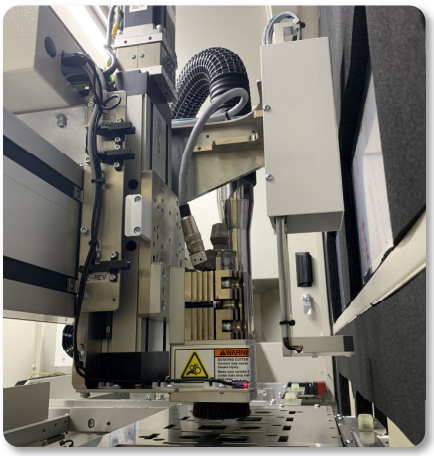
GSR1200-BV06-02.22

GSR1200 Semi-auto Router Machine

Local Agent:



The GSR1200 is a standalone router machine specially designed to route (depanelize) large panels with a PCB size of 350mm x 350mm into individual units. It is capable of speeds of up to 100mm/s and positioning speeds of 1000mm/s. It has two worktables that allow continuous routing with no stoppages during panel loading and unloading. The superior servo axis system provides a high acceleration/deceleration, reducing cycle time (increase in production output) and at the same time maintaining high accuracy cutting.

Using a high-resolution CCD camera and GSR user-friendly Windows-based software allows users to program the routing paths in minutes. There are also no limitations in the number of programs stored. GSR1200 uses high-quality components and a welded steel structure to ensure rigidity and high performance. All the axes and linear guides used are protected from dust and dirt to increase lifespan and performance.

SPECIFICATIONS

Routing Capability	Non-Routing Speed	: 1000 mm/sec
	Routing Speed	: 100 mm/sec max (depending on material, cutting quality & tool diameter)
	Repeatability	: Typical ±0.1 mm for straight lines, curves, et al. Under controlled condition ±0.05 mm
Manipulator	Configuration	: X, Y, W & Z axis
	Manipulator Motors	: AC brushless servo motors
	Manipulator Repeatability	: ±0.02 mm
	Resolution	: ±0.01 mm
Workstation	Design	: Dual workstation with dedicated pin fixtures, Manual panel Loading/unloading
	Panel Positioning	: Located by tooling holes or edges of PCB
	Panel Size	: L350 mm x W350 mm L350 mm x W276 mm (with Auto-Tool Change) L328 mm x W276 mm (with Auto-Tool Change & Stripper)
	Panel Clamping	: Hinged Top clamp with gas spring assist (Option: Auto Top Clamp)
	Panel Thickness	: 0.4 mm – 3.0 mm (Option: 0.4 mm – 8.0 mm with 0.5 kW Spindle)
	Component Height	: Top max. 12 mm, Bottom max. 25 mm (Standard) / 50 mm (Option)
Spindle System	Spindle Motor	: 0.25 kW (60,000 rpm) spindle with ESD / Ceramic bearings
	Options	: 0.5 kW (60,000 rpm) / 0.42 kW (100,000 rpm)
	Tool Change	: Manual tool change (Option: Auto-Tool Change with 0.5 kW/0.42 kW Spindle)
	Cooling	: Ambient cooled
	Router bit	: Shank size 3.175 mm (1/8")
Dust Filtration System	Power	: 2 x 3.0 kW rotary vane vacuum blower
	Filtration	: 3 stage filtrations with disposable filter bag (10 microns)
	Vacuum Location	: Top vacuum on spindle
	Extraction Hose (x2)	: ID 51 mm (2”), L= 4M
	Noise Level	: <78 dB
Vision System	Video camera	: High resolution CCD video camera
Programming	System Platform	: Windows ® based Industrial PC (Win 10)
	Product Setup	: Vision assisted point to point manual teaching; Vision assisted editing function; Test-run mode
	Variable Functions	: Tool bit diameter compensation, Filter change interval (distance) setting, Tool bit wear compensation. Other options are available.
	Options	: Barcode support (1D or 2D), Fiducial alignment
Operation Monitor	Router Bit	: Tool life tracking, Tool breakage detection, Routed board count
	Vacuum	: Vacuum filter change alarm
	Machine	: Machine error history
Maintenance	Router Bit	: 100 to 300 M cutting distance before next tool change (depending on PCB)
	Filter Bag	: 1000 to 1500 M before next filter bag change
	Cleaning hose	: Extra hose for periodic internal cleaning included
Safety Features	E-stops, Spindle stop, Spindle motor overheat & Servo overload detection, Enclosed work area w/ safety doors	
Dimensions & Utilities	Machine Size (W x D x H)	: 1300 mm x 1300 mm x 1700 mm
	Vacuum Tank Size (Ø x H)	: 2 x 400 mm x 800 mm
	Weight (Main + 2 Tanks)	: Approx. 650kg + 50Kg
	Power Supply	: 3+N+E, 380~415V, 50 Hz or 3+E, 208~240V, 60 Hz; 10kW
	Air Supply	: 6 bars