

GSR1290

Semi-Auto Router Machine



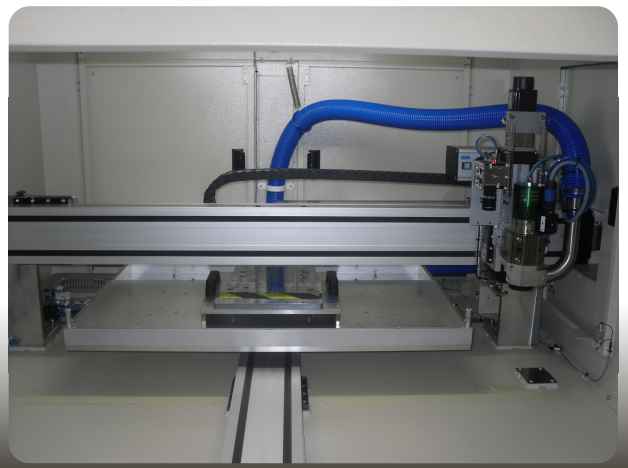
Getech Semi-Automatic Router Machine is a standalone router machine specially designed to route (de-panelize) printed circuit board assemblies (PCBA) into individual assemblies (PCBs).

The GSR1290 can accommodate larger PCBs with maximum panel size of 910mm x 610mm can be routed in its single table configuration.

Fixture carriage plate with reference holes for fast product change over.

FEATURES

- ❑ Large range of panel size up to maximum of 910 mm x 610mm
- ❑ Extremely high acceleration/deceleration speeds up to 1000 mm/sec
- ❑ Powerful servo motor powered Z axis with power off brakes
- ❑ CE Certification (Option)
- ❑ Dual Blower (Option)



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S P E C I F I C A T I O N S :

Manipulator

Configuration	: X, Y & Z axis
Manipulator Motors	: 3 axis AC brushless servo motors
Manipulator Repeatability	: ±0.02mm
Resolution	: ±0.01mm

Workstation

Board Positioning	: Single workstation with dedicated gripper or pin fixture
Panel Location	: Located by tooling holes or edges of PCB
Loading / Unloading	: Manual
Panel Size (mm)	: 910 x 610
Panel Thickness	: 0.5 mm – 8.0 mm

Spindle System

Spindle motor	: 0.5kW spindle with ESD Ceramic bearings
Tool Change	: Manual tool change
Cooling	: Ambient cooled
Router bit	: Shank size 3.175 mm (1/8")

Dust Filtration System

Power	: 3.0 kW rotary vane
Filtration	: 3 stage filter with disposable filter bag (10 micron)

Vision System

Video camera	: High resolution CCD video camera, : PCB Fiducial capturing (Optional)
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Programming

On line	: Vision assisted point to point manual teaching
Editing Function	: Dry run vision assisted / test run mode
Variable Functions	: Tool bit diameter compensation, Filter change interval (distance) setting. Other options available.

Safety Feature

"E" Stops, Spindle stop, Spindle motor overheat & Servo overload detection, Enclosed work area and Automatic Sliding doors with sensors.

Machine Dimensions & Utilities

Machine size	: 1.75 M x 1.62M x 1.70M
Weight	: 1000kg
Power Supply	: (options available)

O P T I O N S :

- Bar code support: 1D or 2D
- Fiducial alignment