

# MPR MEDIUM PANEL ROUTER

## TOTAL SOLUTION FOR ROUTER BUSINESS

As a world leader in PCB Depaneling solutions, GETECH present you the latest Model MPR performance router to meet high production needs for Large PCBs (450mm x 400mm)



### FEATURES

*HIGH THROUGHPUT*

*DUAL TABLES*

*HIGH ACCURACY QUALITY CUT*

*HIGH RESOLUTION CAMERA FOR FIDUCIAL*

*AUTOMATIC TOOL CHANGE*

*POWERFUL DUAL VACUUM SYSTEM*

*AUTOMATIC LOADING / UNLOADING*

*SAFETY PROTECTION*

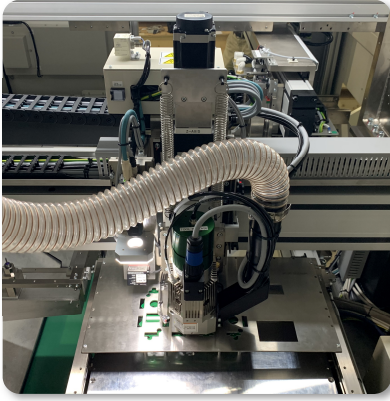
*USER FRIENDLY SW*



ISO 9001 : 2015 Cert. No.: 622220

# MEDIUM PANEL ROUTER

Local Agent:



MPR is an inline router machine specially designed to route (de-panelize) printed circuit board assemblies (PCBA) into individual assemblies.

The MPR has two worktable accommodating a maximum PCB size of 450mm x 400mm and with a PnP head for loading and unloading of PCB. A new Graphical User Interface (GUI) with Getech's "Move, Teach & Cut" advanced control software provides user friendly "visual" programming for rapid and accurate online programming.

## SPECIFICATIONS

<b>Routing Capability</b>	Non-routing speed	: 1500 mm/s
	Repeatability	: ±0.1 mm
	Routing speed	: 100 mm/s max
<b>Manipulator</b>	Configuration	: X, Y, W, Z, E & F axis
	Manipulator Motors	: AC brushless servo motors
	Manipulator Repeatability	: ±0.02mm
	Resolution	: ±0.01mm
<b>Workstation</b>	Board Positioning	: Dual workstation with nest fixture or pin fixture
	Panel Location	: Located by tooling holes or edges of PCB
	Loading / Unloading	: Automatic
	Panel Size	: 450 mm x 400 mm
	Panel Thickness	: 0.5 mm – 8.0 mm
	Component Height	: Top max. 11 mm, Bottom max. 40 mm
<b>Spindle System</b>	Spindle motor	: 500W spindle with ESD Ceramic bearings
	Tool Change	: Automatic tool change
	Cooling	: Ambient cooled
	Router bit	: Shank size 3.175 mm (1/8")
<b>Dust Filtration System</b>	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
<b>Vision System</b>	Video camera	: High resolution CCD video camera : PCB Fiducial capturing (Optional)
<b>Programming</b>	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.
<b>Operation Monitor</b>	Router Bit	: Tool life tracking, PCB board count, tool broken sensor
	Vacuum	: Vacuum filter change alarm
	Machine	: Machine error history
<b>Conveyor System</b>	Incoming Conveyor	: Manual width adjustment
	PCB Flow Direction	: Left to Right
	Communication	: SMEMA
	Outgoing Conveyor	: Customer specification
<b>Safety Feature</b>	"E" Stops, Spindle stop, Spindle motor overheat & Servo overload detection, Enclosed work area	
<b>Machine Dimensions &amp; Utilities</b>		
	Machine Size (WxDxH)	: 1740mm x 2100mm x 1750mm
	Conveyor Exposed Length	: 620mm
	Weight (Approx.)	: 1677kg
	Power Supply	: Options available