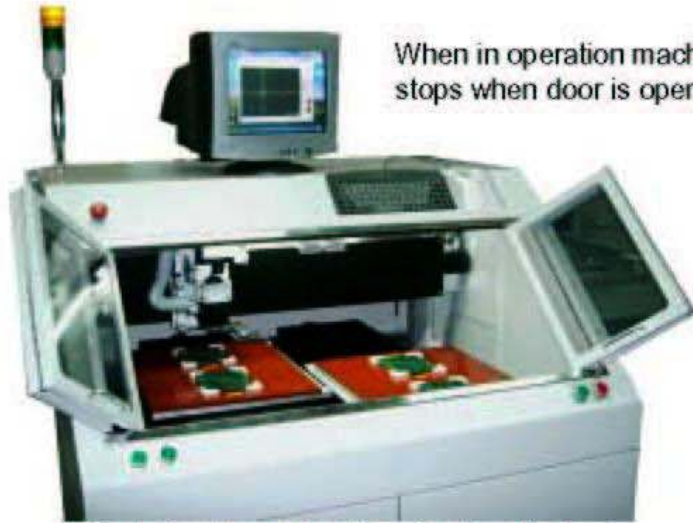




Depaneling Router R2200



When in operation machine stops when door is opened

2x tables-1 x routing the other load/unload



Convert from 2x tables to 1 x table for very large PCB

we never stop improving. The first to have the capability to convert from 2x worktables to 1x worktable to accommodate for very large PCBs. Fold up doors now replace the sliding doors to allow easy access to load/unload the large PCBs.

Machine Specifications

Machine External Dim.	Lg 1100 x W1000 x H 1400 (excluding monitor and tower light)
Table size	2x tables. Each table size 500mm x 400mm
Position Motor Drives	Close Loop with feed back system. Total : Y axis-2x; X axis-1x; Z axis-1
Positional Accuracy/ Resolution	+/- 0.025mm / 0.002mm
Programable Feeds	up to 100mm/sec
Type of Feeds	Straight lines, arc, and circles.
Controls	Windows 2000/XP with PTS operating software. Real time process monitoring.
Programing Capabilities	Teach in- using keypad or by joystick. Same or different models on each table.
Spindle rotation speed	Variable up to 60,000 rpm. Programmable via computer.
Type of Spindle	Air cool, Spindle runout 0.002mm, 1/8" collet - German make.
Tool Bit Optmisation	Programmable using entire cutting flute of router bit.
	Alarm for router bit change.
Camera /Laser Pointer	High resolution pixel camera with laser pointer to indicate route area.
Vacuum and filter System	Integrated into system with build in vaccum cleaner for maintenance.
	Alarm for vacuum bag change. Overload relay for vaccum pump.
	Build In Vacuum Cleaner.
Safety	Door/panel interlocks, Sliding door interlocks during routing process.
Options	Gerber, CAD file transfers, fiducial referencing, broken tool bit detection,
	Convert 2 tables into 1 table. Max. PCB size Lg 800 x W500mm
Facilities/Power consumption	220VAC 1 phase/2.2 KW

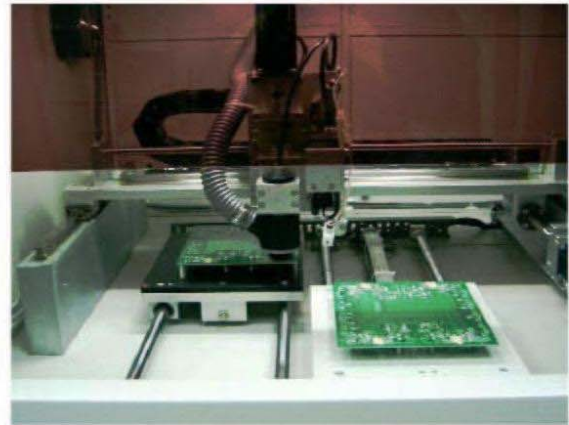


Depaneling Router R2500

Router R2500 is packed with the same features as R2200. It has a 2x worktables with 3x programmable axis

With two independent work tables it increases production efficiency and throughput, by allowing the loading and unloading of PCB panels from one worktable while the PCB panel on the other worktable is being depaneled .

Spindle speed up to 60,000 rpm is controlled via PC and air cooled with min. maintenance !



Machine Specification

Machine External Dim.	Lg 1200 x W1200 x H 1500 (excluding monitor and tower light)
Table size	2x tables. Each table size 300mm x 250mm
Position Motor Drives	Close Loop with feed back system . Total : 3 axis
Positional Accuracy	+/- 0.025mm
Positional Resolution	0.002mm
Positional Feeds	up to 100mm/sec
Type of Feeds	Straight lines, arc, and circles.
Controls	Windows XP with PTS operating software. Real time process monitoring.
Programing Capabilities	Teach in- using keypad Same or different models on each table.
Spindle rotation speed	Variable up to 60,000 rpm. Programmable via computer.
Type of Spindle	Air cool, Spindle runout 0.002mm, 1/8" collet - German make.
Camera./Laser Pointer	High resolution pixel camera with laser pointer to indicate route area.
Vacuum and filter System	Integrated into system real time feed back/display for vacuum bag full.
Facilities/Power consumption	220VAC 1 phase/2.2 KW; Compress air min. 6 bars.
Options:	
Vacuum cleaner	Build in vacuum cleaner for maintenance.
	Alarm for router bit change. Tool bit optimisation
	Broken router bit detection