

Semi-Automatic PCB Router - SMTR07



1. Machine Parts List

I. Hardware	
SPINDLE	China spindle
CCD	Daxiang 540TVL Camera
LENS	Computer EX2C
Screw	TBI Precision ground ball screw imports
Guide	HIWIN widening Imported linear guide rail
MOTOR	Panasonic Series
I/O CONTRONL CARD	ADT PCI-850
DRIVER CONTRONL CARD	ADT PCI-850
I/O CARD	ADT Type
Static cleanup	STATIC-ST401A Series
Machine interface	AOC LCD17", Logitech mouse
2. software	
Control system	Win 7 (Optional Win 10)
Operation GUI	English Windows 7
Program edit	Inline
Vision system	CCD AOTU offset
Control system	ADT-850

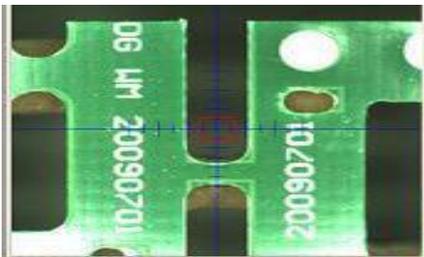
2. Performance Parameters

Overall	
Dimensions(W*D*H)	1150mmx1250mmx1325mm
Weight	700KG
Height offset	60~110mm
Manipulator	
Motor type	Panasonic series
Positioning repeatability	0.001mm
Axis working area(max)	870mm*450mm*50mm
Work station	
PCB fixation	Customized fixtures
PCB loading/unloading	manual
PCB size (max)	350x400mm
PCB thick (max)	5mm
Fixturing	
Rigidity fixturing	Customized fixture
Fixturing fixation	machinery
Spindle Motor	
Power	400W
Spindle	60000rpm/min
Protect	self/wind cooling
Change cutter	Specialization
Routing capability	
Cutting speed(max.)	100mm/s
Driving speed(max.)	3000mm/s
Precision of cutting	0.01mm
Vacuum System	
Vacuum power	3.6KW AC 380V, 3HP
Vacuum	Bottom vacuum cleaning system(Optional top vacuum cleaning)
Utilities	
Power	2.0KW AC380V
Air supply	4-6KG/cm2
Programming	
Program edit	Inline
Function edit	Line, arc, circula, U-curve
Program storage	HDD
milling cutter offset	AUTO
Broken knife checking	Yes
Operation Monitors	
indicator	indicator Machine state
Tool check	Automatic detection tool life, the use of time testing
Motor protection	Have overheating, overload, low voltage protection function
motor over loading check	Have Overload, the line is normal, low voltage protection function

Tool usable time	Automatic detection tool life,
Data statistic	Separate board model, separating count, diverse counting methods
Error record	Software automatically records all alarms memory of machines
III. Accuracy	
Axis precision	0.001mm
Cutting precision	0.1mm
IV. Safety	
Working area protect	With four sealed protection
Door sensor	Front and rear safety door micro-switch sensor (optional)
Exigency stop button	Yes

3. Function Description

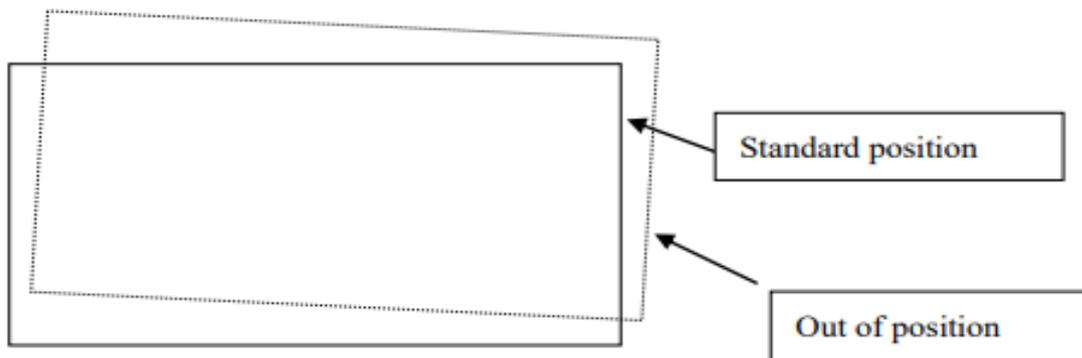
1. X10 zoom-in image makes programming easier&increase the accuracy of point setting.



2. Two sliding table provides simultaneously in-and-out movement to reduce the tack time for better productivity.



3. AUTO MARK offset system. CCD image could check & simulate the path or routing to reduce unnecessary mistake before cutting.



4. Has routing bit life time checking and alarm system to remind operator to change routing bits when it finish 120M cutting. And routing bit first 2mm cut the first milling point, middle 2mm cut the second milling point, the last 2mm cut the third milling point to increase its life time.

