

γ -S168S1ST PCB Separator



Feature Introduction

Axial Motor

Uses a high precision/
response AC servo
motor and modular
actuator.

Duct

Design from the Principle of
Fluid Dynamics. Collecting
dust and fragments in
downwards effectively.

Graphical User Interface

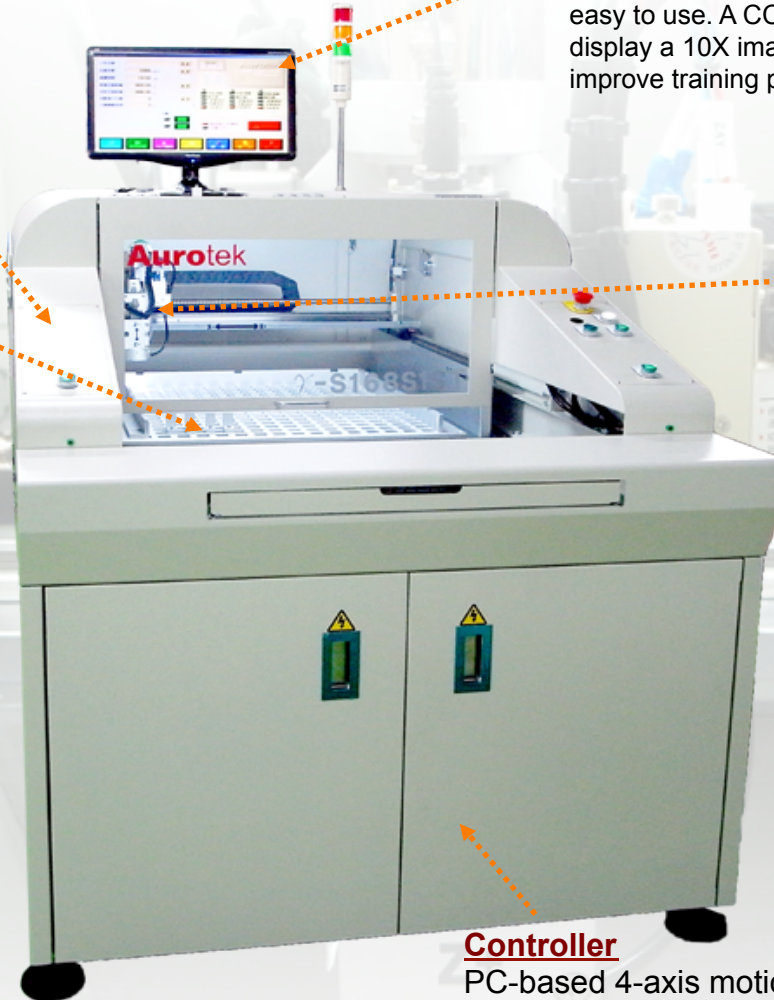
The user interface is based on the
Windows GUI operating system and is
easy to use. A CCD camera is also used to
display a 10X image of the PCB to
improve training precision.

Spindle Motor

High-speed spindle
motor to reduce
mechanical stress
during cutting (58,000
rpm).

Controller

PC-based 4-axis motion controller.



Function & Capability

✓ CCD

CCD image could check & simulate the path of routing to reduce unnecessary mistake before cutting.

✓ Maximum Cutting Range

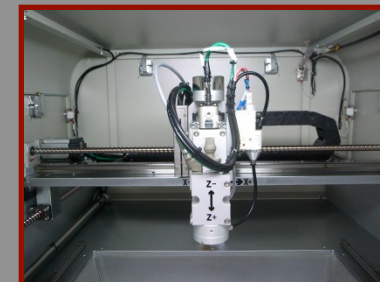
We provide a total solution of maximum cutting range of X:600mm Y:600mm which fit all kinds of PCB.

✓ Friendly GUI

Windows XP system and Graphical User Interface (GUI) is adopted, which enables the user to learn and use the program easily. A 10 x zoom-in image is shown on screen for setting all points.

✓ Routing Bit Sectioning

The user may set a designated distance, and have the routing bit shift-up or -down in order to make a new section of routing bit to cut boards for multiplying the life of the routing bit.



Advantageous Gene

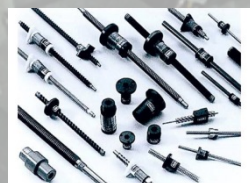
Aurotek



Aurotek



KURODA
JENATEC



Aurotek

ADVANTAGEOUS
GENE

SycoTec



ADVANTECH



Panasonic

Specification

Setting fixture	1 station	Routing bit sectioning	0.8mm ~ 3mm
Working Area	X:600mm Y:600mm Z:60mm	Route planning	Direct coordinate input or manual Guiding with 10 x CCD camera
Component Height	Top side: 15mm Bottom side: 45mm	Safety area sensor	Option
PCB Thickness	0.5 ~ 2mm (It's necessary to contact Aurotek in advance for over 2mm)	Tool break detection	Option
Precision of Cutting	± 0.1mm	Operating System	Windows XP
Positioning Accuracy	± 0.02mm	Program storage	HDD
Positioning Repeatability	± 0.02mm	Program backup	USB
Number of axes in use	3 (X,Y,Z)	Man-machine interface	TFT monitor + keyboard + mouse
Driving Speed (Max.)	X, Y: 750mm/sec, Z: 325mm/sec	PCB loading/unloading	Manual
Cutting Speed (Max.)	X, Y, Z: 100mm/sec (It's according to the specification of Bit for the best speed setting)	Power Supply	3-Phase AC220V±5% 50/60Hz [5HP Vacuum included]5kw,15A
Spindle	High speed variable frequency motor, 150W(Max. 58,000 rpm)	Air	Dry Air 0.5Mpa
Cutting possibilities	Linear, Arc, Circular, U-curve, L-curve	Dimensions	1124x1939x1343+587 mm (signal tower)
Motor of Axes	3 axes (200W AC Servo motors)	Weight	794kg
		Working height	90cm±5cm