



ROBO AUTO CNC



“**ROBO AUTO CNC Router**” is a affordable compact milling machines for PCB prototyping without chemicals. It fit every budget and every requirement. If you are in RF design you can test passive filters and antennas designs or make a small production batch. The system has a large work area that can deliver good machining performance to work on commonly used material. One can easily get the job done in machine in quick time.

Seamless integration from CAD designing to board making

You can produce your boards by importing your CAD data (Gerber or DXF output format) to our software enabling smooth process from CAD designing to board making. Moreover, together with **ROBO AUTO CNC** original software suites and options, you will have even more useful and enhanced integrated ROBO AUTO CNC Router prototyping systems.

For Various types of the boards

ROBO AUTO CNC prototyping machine can mill various types of the boards from normal circuit boards to extremely thin circuit boards. Besides PCBs, **ROBO AUTO CNC** prototyping machine achieve the fine processing on the surface of other materials such as FR4, Copper clad, PCB Epoxy, aluminium or acrylic.

Description

- 3-axis machine - 3D
- Z-axis passage 90 mm
- Useful stroke 390 x 315 x 60 mm (actual under tool with options)
- PCB CNC production centre
- Servo control of the spindle rotation by the software
- Immediate learning
- Versatile: drilling milling depaneling cutting control dispensing.
- Compatible with all file types HPGL ISO EXCELLON GERBER GCODE DXF.
- Integrated electronic control box
- Z-axis moving probe as standard
- Security: mechanical clamping and software clamping
- Protective cover and low voltage lighting as standard
- Operations supported Single layer PCB Double layer PCB and microstrip antenna



In its complete version the **ROBO AUTO CNC** is delivered with its piloting software the Trackmaker. It is suitable for making circuit on FR4

Compatible with many machines and many CAD and CAM software it accepts HPGL ISO EXCELLON GERBER D & X GCODE DXF, ODB++ files.

Technical Specifications

Working Area	380(X)mm*310(Y)mm*55(Z)mm (real under the tool with options independent adjustment of Z of spindle)
Machine Bed	Aluminium T-slot bed
Machine Capabilities	Engraving, Drilling, Milling
Tool change	Automatic 15 Tool Positions
Resolution	1um
Repeatability	+/- 0.005 mm (0.2 mil)
Spindle Speed	70000 rpm
Drive	Hybride servo motor with pneumatic clamp
Tool collet	3.175mm
Camera	Inbuilt camera to observe machine operations
Z depth adjustment	Micrometre based precise z adjustment
Drilling stroke/speed	130 holes / min
Min. track width	0.1 mm (4 mil)
Min. isolation	0.1 mm (4 mil)
Drilling Ø	0.2 mm

Motion speed	100 mm/s maxi
File Types	Compatible and support with all file types HPGL ISO EXCELLON GERBER X & D, GCODE DXF, ODB++
Supported operating system	Windows 10
Machine control Gcode software	Trackmaker Software with USB Dongle based license (It can import GERBER, D&X, Excellon, ODB++, DXF and more)
Power	230±20 V/50-60Hz
Positioning tool sensor	As Standard
Interface of machine	USB
Cabinet	Fully covered with cabinet for sound reduction and safety
Net weight	50 kg

STANDARD ACCESSORIES

Dust collector unit with auto on and off function

Air compressor for pneumatic auto tool changer

Consumables Supplied Tool Bits and copper clads

